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?show files;ds
File 348:European Patents 1978-2000/Aug W03
  (c) 2000 European Patent Office
File 349:PCT Fulltext 1983-2000/UB=20000817, UT=20000803
  (c) 2000 WIPO/MicroPat
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Set	Items	Description
S1	499310	POINT OR POINTS
S2	171588	MANAGEMENT OR INFORMATION()SYSTEM OR MIS OR COMPUTERI? OR - SOFTWARE
S3	14320	PROMOTION? OR PRIZE? OR AWARD? OR BONUS? OR FREQUENT?() (PU- RCHAS? OR SHOPPER? OR BUYER? OR USER?)
S4	87	S1(S)S2(S)S3
S5	39	S1(15N)S2(15N)S3
S6	20	S5 AND IC=G06F

?t6/5,k/all

6/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:European Patents
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01110910
ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
System and method of applying promotional messages to electronic price
labels
System und Verfahren zum Zupassen von Werbespruchten an elektronische
Preisschilder
Systeme et methode pour accorder des messages de promotion aux etiquettes
electroniques de prix

PATENT ASSIGNEE:

NCR International, Inc., (1449484), 1700 South Patterson Boulevard,
Dayton, Ohio 45479, (US), (Applicant designated States: all)

INVENTOR:

Goodwin, John Coker, III, 2306 Westfork Court, Suwanee, Georgia 30024,
(US)

LEGAL REPRESENTATIVE:

Cleary, Fidelma et al (85871), International IP Department NCR Limited
206 Marylebone Road, London NW1 6LY, (GB)

PATENT (CC, No, Kind, Date): EP 973111 A2 000119 (Basic)

APPLICATION (CC, No, Date): EP 99305340 990706;

PRIORITY (CC, No, Date): US 115982 980715

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT EP 973111 A2

A system and method of applying promotional messages to electronic price labels (22) uses a price look-up file reader (48) to obtain a promotional index from a price look-up file (54) and uses the promotional index to identify a promotional message in a promotional message definition file (52). A computer (24) maintains a first data file (50) containing item identifiers for items associated with the electronic price labels, obtains promotional indices for the items from the price look-up file (54), which also contains prices of the items, compares the promotional indices to promotional indices stored within the promotional message file (52) to obtain promotional messages from the latter, and transmits to the electronic price labels (22) messages containing the promotional messages and a command to display the promotional messages.

ABSTRACT WORD COUNT: 130

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 20000119 A2 Published application without search report

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200003	421
SPEC A	(English)	200003	3136
Total word count - document A			3557
Total word count - document B			0
Total word count - documents A + B			3557

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INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION PLU file reader program; and

Fig. 7 is a flow diagram illustrating the operation of **promotional index manager software**.

Referring to Fig. 1 of the accompanying drawings, transaction system 10 primarily includes host computer system 12, **point -of-sale (POS) system 14** and EPL system 16. Herein, components 12, 14 and 16...

6/5,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:European Patents

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01093683

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Customer worth differentiation by selective activation of physical instrumentalities within the casino

Differenzieren des Kundenwerts durch selektives Aktivieren von physikalischen Instrumentierungen in einem Kasino

Differentiation de la valeur d'un client par activation selective d'instruments physiques au sein du casino

PATENT ASSIGNEE:

Harrah's Operating Company, Inc., (2440040), 1023 Cherry Road, Memphis, TN 38117, (US), (Applicant designated States: all)

INVENTOR:

Boushy, John M., 2515 Guilford Cove, Germantown, TN 38117, (US)

Rowe, Bruce C., 2527 Calkins Road, Germantown, TN 38139, (US)

Sevigny, Jayme D., 9 Rosedown Court, New Orleans, LA 70131, (US)

LEGAL REPRESENTATIVE:

Liesegang, Eva (81041), Forrester & Boehmert, Franz-Josef-Strasse 38, 80801 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 961213 A2 991201 (Basic)

APPLICATION (CC, No, Date): EP 99110427 990528;

PRIORITY (CC, No, Date): US 87619 980529

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT EP 961213 A2

A system and method for differentiating customers according to their worth to the casino. Customer information is accumulated at each affiliated casino through one or more LAN-based management systems, updated to a central patron database (CPDB) that is coupled to each casino LAN through a WAN, and made available to each affiliated casino property as needed. Customer accounts are automatically activated and provided with data from the CPDB when a customer from one casino property first visits an affiliated casino property. Customer accounts are updated

with status information based on the customer's worth to the casino. Customer accounts are updated with new activity data whenever a **management** system associated with the casino receives customer data from input devices, such as card readers, workstations, and dumb terminals, located at various venues throughout the casino. Customers are **awarded points**, based on their tracked activity at all affiliated casino properties. Customers also have theoretical win profiles. Customer status may be based on accumulated points or the theoretical win profile. When the customer is recognized at a gaming machine, or any location having a suitable card reader, the customer's status is determined in the customer account. For a special status customer, a physical instrumentality is activated for the benefit of the customer, such as a telephone, light, lockable cabinet, or the like. Distinguished services may also be provided once the special status customer is recognized.

ABSTRACT WORD COUNT: 232

NOTE:

Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 991201 A2 Published application without search report

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9948	2640
SPEC A	(English)	9948	13773
Total word count - document A			16413
Total word count - document B			0
Total word count - documents A + B			16413

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INTERNATIONAL PATENT CLASS: G06F-017/60

...ABSTRACT s worth to the casino. Customer accounts are updated with new activity data whenever a **management** system associated with the casino receives customer data from input devices, such as card readers, workstations, and dumb terminals, located at various venues throughout the casino. Customers are **awarded points**, based on their tracked activity at all affiliated casino properties. Customers also have theoretical win...

6/5,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:European Patents

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00333335

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

SHOPPING CART DISPLAY SYSTEM

ANZEIGESYSTEM FUR EINKAUFswagen

SYSTEME D'AFFICHAGE SUR ECRAN POUR CHARIOT A PROVISIONS

PATENT ASSIGNEE:

KLEVER-KART, INC, (1424471), 350 West 300 South Suite 201, Salt Lake City, UT 84101, (US), (applicant designated states:
AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

MALEC, John, 600 West Stratfond, Chicago, IL 60657, (US)
MOSER, Joseph, Paul, 74 West Hesterman Drive, Glendale Heights, IL 60139, (US)

LEGAL REPRESENTATIVE:

Cross, Rupert Edward Blount et al (42891), BOULT, WADE & TENNANT 27
Furnival Street, London EC4A 1PQ, (GB)

PATENT (CC, No, Kind, Date): EP 335931 A1 891011 (Basic)

EP 335931 A1 901205
EP 335931 B1 960403
WO 8902628 890323

APPLICATION (CC, No, Date): EP 88908639 880921; WO 88US3259 880921

PRIORITY (CC, No, Date): US 99288 870921

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G06F-007/04 ; G06F-017/30 ; G06F-017/60 ;

G06F-019/00

CITED PATENTS (EP A): EP 176959 A; FR 2596902 A; EP 170194 A; FR 2607921 A;
EP 155032 A; US 4603232 A; US 3868670 A

CITED PATENTS (WO A): US 4002886 A; US 4071740 A; US 4500880 A

CITED REFERENCES (EP A):

See also references of WO8902628;

ABSTRACT EP 335931 A1

A shopping cart display system is provided to present product advertisements to consumers who do not have this information. This shopping cart display system includes a cart mounted display (514) that is responsive to unique trigger signals (504) provided by respective transmitters (1317) associated with respective fixed locations. When the display receives a unique trigger signal, it displays advertising associated with the respective location. In one embodiment, the display includes a sensor determining whether the information is displayed in the presence of a customer, and a memory for storing all trigger signals received during a given shopping trip. The stored data are transmitted to a polling transceiver located at a point of sale register to later analysis. Provision is made for the customer to request and receive information, such as deli numbers.

ABSTRACT WORD COUNT: 136

NOTE:

No A-document published by EPO

LEGAL STATUS (Type, Pub Date, Kind, Text):

Lapse: 20000209 B1 Date of lapse of European Patent in a
contracting state (Country, date): AT
19960403, BE 19960403, CH 19960403, LI
19960403, LU 19960930, SE 19960703,

Application: 891011 A1 Published application (A1with Search Report
;A2without Search Report)

Examination: 891011 A1 Date of filing of request for examination:
890523

Search Report: 901205 A1 Drawing up of a supplementary European search
report: 901018

Examination: 940504 A1 Date of despatch of first examination report:
940322

*Assignee: 951122 A1 Applicant (transfer of rights) (change):
KLEVER-KART, INC (1424471) 350 West 300 South
Suite 201 Salt Lake City, UT 84101 (US)
(applicant designated states:
AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

*Assignee: 951122 A1 Previous applicant in case of transfer of
rights (change): INFORMATION RESOURCES, INC.
(929140) 150 North Clinton Street Chicago, IL
60606 (US) (applicant designated states:
AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

Grant: 960403 B1 Granted patent

Lapse: 961120 B1 Date of lapse of the European patent in a
Contracting State: SE 960703

Lapse: 970115 B1 Date of lapse of the European patent in a
Contracting State: AT 960403, SE 960703

Oppn: 970226 B1 Opposition 01/961227 Siemens Nixdorf
Informationssysteme AG; Heinz-Nixdorf-Ring 1;

Lapse: 970326 B1 Date of lapse of the European patent in a Contracting State: AT 960403, CH 960403, LI 960403, SE 960703
Lapse: 970326 B1 Date of lapse of the European patent in a Contracting State: AT 960403, CH 960403, LI 960403, SE 960703
Lapse: 970514 B1 Date of lapse of the European patent in a Contracting State: AT 960403, BE 960403, CH 960403, LI 960403, SE 960703
*Oppn: 971022 B1 Opposition (change) 01/961227 Siemens Nixdorf Informationssysteme AG; Heinz-Nixdorf-Ring 1; D-33106 Paderborn; (DE)
(Representative:) Schaumburg, Thoenes, Thurn Patentanwalte; Postfach 86 07 48; 81634 Munchen; (DE)

LANGUAGE (Publication, Procedural, Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1057
CLAIMS B	(English)	EPAB96	869
CLAIMS B	(German)	EPAB96	818
CLAIMS B	(French)	EPAB96	983
SPEC A	(English)	EPABF1	19666
SPEC B	(English)	EPAB96	19769
Total word count - document A			20725
Total word count - document B			22439
Total word count - documents A + B			43164

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INTERNATIONAL PATENT CLASS: **G06F-007/04** ...

...**G06F-017/30** ...

...**G06F-017/60** ...

...**G06F-019/00**

...SPECIFICATION a dog, or target different advertisements to this cart based on the demographic information, or **award** loyal shopper **points** if the customer purchases certain manufacturers products.

DESCRIPTION OF SHOPPING-CART-BASED SOFTWARE PROGRAM

The Shopping Cart Display (SCD) **software** program consists of foreground and background tasks. The foreground tasks consist of initialization, idle loop...

...SPECIFICATION a dog, or target different advertisements to this cart based on the demographic information, or **award** loyal shopper **points** if the customer purchases certain manufacturers products.

DESCRIPTION OF SHOPPING-CART-BASED SOFTWARE PROGRAM

The Shopping Cart Display (SCD) **software** program consists of foreground and background tasks. The foreground tasks consist of initialization, idle loop...

6/5,K/4 (Item 1 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00731978

**DATA PROCESSING SYSTEM FOR FACILITATING MERCHANTISE TRANSACTIONS
SYSTEME INFORMATIQUE POUR FACILITER LES TRANSACTIONS SUR MARCHANDISES**

Patent Applicant/Assignee:

CUCKLEBURR COM INC, P.O. Box 542, Mexia, TX 76667, US, US (Residence),
US (Nationality)

Inventor(s):

BRIZENDINE Kyle, P.O. Box 542, Mexia, TX 76667, US

Legal Representative:

CARR Gregory W, Carr & Storm, L.L.P., 900 Jackson Street, 670 Founders
Square, Dallas, TX 75202, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200045315 A1 20000803 (WO 0045315)

Application: WO 2000US2120 20000127 (PCT/WO US0002120)

Priority Application: US 99117500 19990127; US 99418627 19991015

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 26640

English Abstract

A data processing system for facilitating merchant transactions includes a computer for processing data, and a storage device for storing data processed by the computer. Data regarding the purchase by a purchaser of merchandise from a merchant for a specified amount of money is entered into the computer. Monetary points are then calculated which are proportionate to a purchase made. The monetary points are then allocated between a first account which may be used by a first person for the purchase of additional merchandise from the merchant, and a second account which may be used by a second person for education at an educational institution. The monetary points allocated to the first account and the second are recorded in the storage device.

French Abstract

L'invention concerne un systeme informatique pour faciliter les transactions sur marchandises, qui comprend un ordinateur pour le traitement de donnees et un dispositif de memorisation pour la memorisation des donnees traitees par l'ordinateur. Les donnees relatives a l'achat par un acheteur d'une marchandise a un marchand, contre un montant specifique, est entre dans l'ordinateur. Des points monetaires proportionnels au montant de l'achat sont ensuite calcules. Les points monetaires sont ensuite repartis entre un premier compte qui peut etre utilise par une premiere personne pour l'achat de marchandises supplementaires audit marchand, et un deuxième compte qui peut etre utilise par une deuxième personne pour les etudes dans un etablissement d'enseignement. Les points monetaires attribues au premier compte et au second compte sont enregistres dans le dispositif de memorisation.

Legal Status (Type, Date, Text)

Publication 20000803 A1 With international search report.

Publication 20000803 A1 Before the expiration of the time limit for amending the claims and to be republished in the

event of the receipt of amendments.

Main International Patent Class: G06F-017/60

Fulltext Availability:

Detailed Description

Detailed Description

... Status

Customer Service Representative

Comment Type

Inquiry Action Type

Member Status Type

Credit Card Type

> **Promotion** Type

) - Sales Type

> Transaction Type

> **Point** Type

Security Requirements

Security requirements will preferably be addressed in the high-level security strategy document.

All Club **management** and employees will preferably have access to the system. The access allowed will preferably be...customer service rep) required additional form of payment Promotion Code (within the retailer) Percentage of **points** redeemed Membership Code Average balance by retailer Enrollment Date Number of purchases by retailer by day Retailer Geography (State, Region, City) **Promotion** Code (for enrollment) Other Interfaces (FIG. 40) Investment **Management** Firm Data Elements to be passed on the file from LPMS to the Investment **Management** Firm nightly:

File from Club File from Investment Firm Cardholder's Membership ID Credit requests...

6/5, K/5 (Item 2 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00728206

MICRO-TARGETED ADVERTISING

PUBLICITE MICRO-CIBLEE

Patent Applicant/Assignee:

ZAP ME!, Suite 150, 3000 Executive Parkway, San Ramon, CA 94583, US,
US (Residence), US (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

MARKS Joshua K, 3340 Whimbrel Court, Fremont, CA 94555, US,
US (Residence), US (Nationality), (Designated only for: US)
STRASNICK Steve L, Unit #15, 366 Sierra Vista Avenue, Mountain View, CA
94043, US, US (Residence), US (Nationality), (Designated only for: US)
MORTENSEN Lance H, 117 Warwick Court, Alamo, CA 94507, US, US (Residence)
, US (Nationality), (Designated only for: US)

Legal Representative:

MILLIKEN Darren J, Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor,
12400 Wilshire Boulevard, Los Angeles, CA 90025, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200041112 A1 20000713 (WO 0041112)

Application: WO 99US30529 19991220 (PCT/WO US9930529)

Priority Application: US 99227476 19990108

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

 Detailed Description

 Claims

Fulltext Word Count: 8131

English Abstract

A method and apparatus for micro-targeted advertising is disclosed that provides micro-targeting advertising to users of a networked devices. The advertising possibilities provided by the present invention are referred to as "micro-targeted" because the architecture of the present invention allows for targeting advertising more narrowly, and therefore more effectively, than the prior art. In addition, the invention describes a system that is distributed and script based rather than transaction based as in the prior art. In one embodiment, advertising scripts are dynamically generated (510) based on information related to the specific user of specific network device (e.g., terminal workstation). By determining an advertising audience on a user-by-user basis, the architecture of the present invention provides selective targeting of advertising content.

French Abstract

L'invention se rapporte a un procede et a un appareil de publicite micro-ciblee qui permettent un micro-ciblage publicitaire a destination des utilisateurs de dispositifs en reseau. Les possibilites publicitaires offertes par la presente invention sont dites "micro-ciblees" du fait que l'architecture utilisee permet de cibler la publicite de maniere plus etroite, et par consequent de maniere plus efficace, que cela n'est le cas aujourd'hui. En outre, la presente invention se rapporte a un systeme qui est reparti et base sur des scripts plutot que sur des transactions comme cela etait le cas jusqu'a present. Dans une realisation de l'invention, des scripts publicitaires sont generees dynamiquement (510) en fonction de donnees associees a l'utilisateur specifique d'un dispositif specifique de reseau (par exemple, station de travail terminale). L'architecture de la presente invention, qui permet de determiner les destinataires d'une publicite sur une base individuelle au niveau utilisateur, rend possible un ciblage selectif du contenu publicitaire.

Legal Status (Type, Date, Text)

Publication 20000713 A1 With international search report.

Main International Patent Class: G06F-017/60

Fulltext Availability:

 Detailed Description

Detailed Description

... data between available applications.

In one embodiment points meter 630 provides a summary of incentive **points** or other **points** schemes available to the user. An incentive **points** management scheme is described in greater detail in U.S. Patent application number 09/213,238 (P004) entitled "**INCENTIVE POINTS MANAGEMENT**," which is assigned to the corporate assignee of the present invention. Incentive **points** can be **awarded** to a user for clicking on, or otherwise interacting with, an advertisement.

Browser and application...

6/5,K/6 (Item 3 from file: 349)
DIALOG(R) File 349:PCT Fulltext
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00725197

AMUSEMENT AND PREMIUMS NETWORK
RESEAU DE JEUX ET DE PRIMES

Patent Applicant/Assignee:

CLAYH John, CLAYH, John , 383 Dovercourt Drive, Winnipeg, Manitoba R3Y
1G4 , CA

Inventor(s):

CLAYH John, CLAYH, John , 383 Dovercourt Drive, Winnipeg, Manitoba R3Y
1G4 , CA

Patent and Priority Information (Country, Number, Date):

Patent: WO 0038089 A2 20000629 (WO 200038089)

Application: WO 99CA1201 19991216 (PCT/WO CA9901201)

Priority Application: US 98218018 19981222

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ
BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/60 ;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 27087

English Abstract

A system for controlling a medium of exchange comprising: plural terminals at various locations for detecting the presence of a person and of an activity carried out by the person, and for providing signals indicative of the identity of the person and of the activity, a first database for storing predetermined exchange values for the activity, a second database for storing separate medium of exchange accounts for various persons including at least one of customers and merchants, apparatus for detecting the signals, for accessing the first database and for crediting an exchange value related to the activity to an account of a person carrying out the activity or on whose behalf the activity was carried out, in the second database, and an administration terminal in communication with the first database for generating and downloading to the first database parameters indicative of the predetermined exchange values for various activities, from time to time.

French Abstract

L'invention concerne un procede de commande d'un support d'echange comprenant : plusieurs terminaux situes en divers endroits et destines a detecter la presence d'une personne et d'une activite effectuee par cette personne, et a produire des signaux indiquant l'identite de la personne et de l'activite, une premiere base de donnees destinee a stocker des valeurs d'echange determinees servant a ladite activite, une seconde base de donnees servant a stocker un support separe de comptes d'echange pour plusieurs personnes, notamment au moins l'un des clients et commerçants, un appareil servant a detecter des signaux, a acceder a la premiere base de donnees et a crediter, dans la seconde base de donnees, une valeur d'echange associee a l'activite, sur un compte d'une personne executant l'activite ou pour le compte de laquelle cette activite a ete execute,

ainsi qu'un terminal d'administration, en communication avec la premiere base de donnees et destine a produire et telecharger, de temps en temps, en direction de cette premiere base, des parametres indiquant les valeurs d'echange determinees destinees aux diverses activites.

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

 Detailed Description

Detailed Description

... to a method and a system for on-line global distribution and redemption of loyalty **points** and coupons, control of directed advertising and control of parameters related to various operations, activity **software** , etc. BACKGROUND TO THE INVENTION

Electronic transaction processing and **awarding** of loyalty **points** by bank card issuers, airlines, etc. have come into widespread use. For example, retailers commonly...

6/5, K/7 (Item 4 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00723647

METHOD AND APPARATUS FOR INCENTIVE POINTS MANAGEMENT

PROCEDE ET DISPOSITIF POUR LA GESTION DE POINTS D'INCITATION

Patent Applicant/Assignee:

ZAP ME!, ZAP ME! , Suite 150, 3000 Executive Parkway, San Ramon, CA 94583
, US

Inventor(s):

MARKS Joshua K, MARKS, Joshua, K. , 3340 Whimbrel Court, Fremont, CA 94555 , US

STRASNICK Steve L, STRASNICK, Steve, L. , Unit &15, 366 Sierra Vista Avenue, Mountain View, CA 94043 , US

MORTENSEN Lance H, MORTENSEN, Lance, H. , 117 Warwick Court, Alamo, CA 94507 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0036541 A1 20000622 (WO 200036541)

Application: WO 99US30131 19991216 (PCT/WO US9930131)

Priority Application: US 98213238 19981217

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/60 ;

Publication Language: English

Filing Language: English

Fulltext Availability:

 Detailed Description

 Claims

Fulltext Word Count: 5254

English Abstract

A method and apparatus for incentive **points management** is disclosed. The present invention provides a method and apparatus for incentive **points management** based on usage of **computerized** resources. In one embodiment, non-usage based **points** can also be **awarded** . Briefly, a threshold value is used for **awarding** **points** such that **points** are **awarded** for use of a resource over a predetermined threshold value (410). For example, if a particular Web site is accessed via a

participating network for 20 contiguous minutes (410) a predetermined number of incentive points are awarded (420). Incentive points can then be awarded in 20 minute increments or on a different scale. In one embodiment, incentive points are awarded to both the user and to an organization to which the user belongs. In one embodiment, affinity points are awarded in addition to incentive points. Affinity points are awarded based on more active participation (440). For example, affinity points can be awarded for purchases of particular items or purchases of particular amounts. Affinity points can also be awarded for specific actions, for example, switching telephone long distance providers, filling out an online survey form, or making a purchase online instead of through traditional channels (430).

French Abstract

L'invention concerne un procede et un dispositif permettant d'assurer la gestion de points d'incitation, d'apres l'utilisation de ressources informatisees. Selon une variante, on peut egalement attribuer des points correspondant a une absence d'utilisation des ressources. En resume, il s'agit d'utiliser une valeur seuil pour l'attribution de points correspondant a l'utilisation d'une ressource, suivant une valeur seuil preetablie (410). Par exemple, si l'on consulte un site Web via un reseau participant pendant 20 minutes consecutives (410), l'attribution d'un nombre de points d'incitation predetermine est activee (420). Ensuite, les points d'incitation peuvent etre attribues par paliers de 20 minutes ou suivant un bareme different. Selon une deuxieme variante, les points d'incitation sont attribues a l'utilisateur et a l'organisation dont depend cet utilisateur. Selon une troisieme variante, des points d'affinite sont attribues pour une participation plus active (440). Par exemple, les points d'affinite peuvent etre attribues pour des achats d'articles particuliers en quantites determinees, mais aussi pour des actions specifiques qui consistent par exemple a commuter les appels de prestataires de telephonie interurbaine, a remplir des formulaires d'enquete en ligne ou a effectuer des achats en ligne au lieu de les effectuer par les voies traditionnelles (430).

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

Detailed Description

Claims

English Abstract

A method and apparatus for incentive **points management** is disclosed. The present invention provides a method and apparatus for incentive **points management** based on usage of **computerized** resources. In one embodiment, non-usage based **points** can also be **awarded**. Briefly, a threshold value is used for **awarding points** such that **points** are **awarded** for use of a resource over a predetermined threshold value (410). For example, if a...

Detailed Description

METHOD AND APPARATUS FOR
INCENTIVE POINTS MANAGEMENT

FIELD OF THE INVENTION

The present invention relates to incentive **point management**. More particularly, the present invention relates to an integrated system and incentive **points management** scheme that **awards points** based, at least in part, on utilization of **computerized** resources.

BACKGROUND OF THE INVENTION

Current incentive **points** schemes are typically based on **awards** for purchases, for example, frequent flyer programs. One such **computerized** implementation of such a scheme is disclosed in U.S. Patent No. 5,774,870 entitled "FULLY INTEGRATED, ON LINE INTERACTIVE FREQUENCY AND **AWARD** REDEMPTION PROGRAM" issued to Thomas W. Storey ('870 Patent). However, the '870 Patent provides awards...

...messages on a target audience.

SUMMARY OF THE INVENTION

A method and apparatus for incentive **points management** is described. Use of a **computerized** resource by a user is passively monitored. Incentive **points** are **awarded** based, at least in part, on use of the **computerized** resource by the user when the use exceeds a predetermined threshold value. A balance of incentive **points** for the user is maintained based on a predetermined set of policies.

BRIEF DESCRIPTION OF...

...network suitable for use with the present invention.

Figure 4 is a flow chart for **awarding** incentive **points** according to one embodiment of the present invention.

DETAILED DESCRIPTION

A method and apparatus for incentive **points management** is described. In the following description, for purposes of explanation, numerous specific details are set...
...referring to the same embodiment.

The present invention provides a method and apparatus for incentive **points management** based on usage of **computerized** resources. In one embodiment, non-usage based **points** can also be **awarded**. Briefly, a threshold value is used for **awarding** **points** such that **points** are **awarded** for use of a resource over a predetermined threshold value.

For example, if a particular...server 330 provides management of incentive and/or affinity **points**. Middleware server 330 can manage **points** by monitoring user sessions as the sessions occur (i.e. dynamic **points** management) or by evaluating sessions after the end of the respective sessions (i.e., retroactive **points management**). With either monitoring scheme, middleware server 330 stores **point** information in database 360.

Points can also be **awarded** according to both dynamic and retroactive schemes.

Application server 340 provides applications programs to devices...

...HTML server, e-mail server, bulletin board server). Application server 340 can also be a **software** distribution and **management** server.

For dynamic incentive **points management**, middleware server 300 **awards** **points** as the **points** are earned. For example, if a user accesses a participating **computerized** resource for a predetermined period of time the user's incentive **points** balance stored in database 360 is incremented at the end of the predetermined period of...

...be continuously displayed to the user, which provides immediate feedback to the user when incentive **points** are earned effecting a slot machine or lotto style feedback. Affinity **points** can be managed in a similar

manner.

For retroactive **points management**, middleware sever 330 analyzes session logs after the session is completed to determine whether **points** should be **awarded**. In one embodiment, middleware server 330 uses a session identifier for a particular session to identify the user to which **points** should be **awarded**, if ...other servers, such as master proxy server 370, to determine whether the user accessed participating **computerized** resources and information related to the access (e.g., length of access, transactions completed, information provided). In response to the session analysis, **points** are **awarded** by middleware server 330 and stored in database 360.

Figure 4 is a flow chart for **awarding** incentive **points** according to one embodiment of the present invention. In one embodiment a client application used to access **computerized** resources determines when a user accesses a resource that is participating in the incentive points...

...time at 410. Requiring a minimal threshold time is not necessary to implement an incentive **points management** scheme; however, such a threshold value improves the likelihood that accesses for which incentive **points** are **awarded** are significant to the provider of the resource.

Incentive **points** are **awarded** at 420 if access to the **computerized** resource exceeds the predetermined threshold value. In one embodiment, a middleware server causes a...

Claim

CLAIMS

What is claimed is:

1. A method of incentive **points** management, the method comprising:

passively monitoring use of a **computerized** resource by a user; awarding incentive **points** based, at least in part, on use of the **computerized** resource; and maintaining a balance of incentive **points** for the user based on a predetermined set of policies.

2. The method of claim 1 further comprising **awarding** **points** based on a predetermined action taken by the user with the **computerized** resource.

3. The method of claim 2 wherein the predetermined action comprises an online interaction with the **computerized** resource.

4. The method of claim 1 further wherein one or more of the predetermined

...
...the storage device is replicated to the local area network.

12. An apparatus for incentive **points** **management**, the apparatus comprising:

means for passively monitoring use of a **computerized** resource by a user; means for **awarding** incentive **points** based, at least in part, on use of the **computerized** resource; and means for maintaining a balance of incentive **points** for the user based on a set of predetermined policies.

13. The apparatus of claim 12 further comprising means for **awarding** **points** based on a predetermined action taken by the user with the **computerized** resource.

14. The apparatus of claim 13 wherein the predetermined action comprises an online interaction with the **computerized** resource.

15. The apparatus of claim 12 further wherein the predetermined policy comprises expiration periods for the incentive **points**.

16. The apparatus of claim 12 wherein the predetermined policy comprises maintaining an incentive point...that when executed by a processor cause the processor to:

passively monitor use of a **computerized** resource by a user; award incentive **points** based, at least in part, on use of the **computerized** resource; and maintain a balance of incentive **points** for the user based on a set of predetermined policies.

24. The machine-readable medium...

...claim 23 fту-ther comprising sequences of instructions that when executed cause the processor to award **points** based on a predetermined action taken by the user with the **computerized** resource.

25. The machine-readable medium of claim 24 wherein the predetermined action comprises an...

...34. A wide area network of devices comprising:

a first local area network having a **computerized** resource; a second local area network having a terminal used by a user to access the **computerized** resource; wherein incentive **points** are awarded to the user based, at least on part, on whether use of the **computerized** resource exceeds a predetermined threshold.

35. The wide area network of claim 34, wherein the...

...a number of transactions.

37. The wide area network of claim 34, further wherein incentive **points** are awarded to the user based, at least in part, on the user performing a predetermined interactions with the **computerized** resource.

38. The wide area network of claim 34 further comprising a network operations center...

6/5,K/8 (Item 5 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00723643

METHOD AND APPARATUS FOR THE DISTRIBUTION OF DIGITISED INFORMATION ON DEMAND
PROCEDE ET DISPOSITIF DE DISTRIBUTION A LA DEMANDE D'INFORMATIONS NUMERISEES

Patent Applicant/Assignee:

TRIBEKA LIMITED, TRIBEKA LIMITED, 5 Bendall Mews, Marylebone, London NW1 6SN, GB

Inventor(s):

DOLL-STEINBERG Daniel, DOLL-STEINBERG, Daniel, 5 Bendall Mews, Marylebone, London NW1 6SN, GB

Patent and Priority Information (Country, Number, Date):

Patent: WO 0036536 A2 20000622 (WO 200036536)

Application: WO 99GB4318 19991217 (PCT/WO GB9904318)

Priority Application: GB 9827831 19981217

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP LR LS LT LU LV
MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ
UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE

Main International Patent Class: G06F-017/60 ;

Publication Language: English

Filing Language: English

Fulltext Availability:

 Detailed Description

 Claims

Fulltext Word Count: 8221

English Abstract

In a method and apparatus for the electronic distribution of digitised information on demand, remote and/or local mass data stores are used to store digitised information for use in the generation of products such as software media. Available products and related information can be searched, browsed and requested at a local fulfilment unit; or requests can be made remotely. The products generated and associated packaging, certificates of authenticity, instruction manuals and licence numbers may optionally include customer specific information, and customer given personalisation. Additional security features include storing essential parts of the digitised information remotely so that products can not be generated using only locally stored information; and recording the digitised information on the at least final segments of longer than standard format CDs preventing complete copies onto CDs of standard format.

French Abstract

La presente invention concerne un procede et un dispositif de distribution electronique a la demande qui font intervenir des memoires de donnees massives eloignees ou locales pour le stockage d'informations numerisees en vue de la creation de produits tels que des logiciels. Il est possible d'explorer, de parcourir et de demander les produits disponibles et autres informations connexes soit au niveau d'une unite locale de sollicitation, ou bien d'adresser les demandes a des destinations eloignees. Les produits generees et leur conditionnement, les certificats d'authenticite, les manuels d'utilisation et les numeros de licence peuvent etre eventuellement assortis d'informations propres au client et de caracteristiques de personnalisation fournies par l'utilisateur. Pour plus de securite, les parties essentielles des informations numerisees sont stockees a distance. Ainsi, il n'est pas possible de creer les produits au moyen d'informations stockees localement. De plus ces informations numerisees sont stockees sur les segments finaux de disques compacts au format plus long que la normale, d'où impossibilite de copier completement ces disques sur des disques compacts de longueur standard.

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

 Detailed Description

Detailed Description

... is also included a packaging generator and an instruction manual generator.

Preferably, the customer advice point includes a library of available **software** media and/or related information such as product **promotions**, product bundles, marketing information and related products; all of which

may be browsed or searched...

6/5,K/9 (Item 6 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00676405

DEMOGRAPHIC INFORMATION GATHERING AND INCENTIVE AWARD SYSTEM AND METHOD
SYSTEME ET PROCEDE DE COLLECTE DE DONNEES DEMOGRAPHIQUES ET D'OCTROI DE
PRIMES D'ENCOURAGEMENT

Patent Applicant/Assignee:

DIRECT MARKETING TECHNOLOGY INC, DIRECT MARKETING TECHNOLOGY, INC. , 955
American Lane, Schaumburg, IL 60173-4998 , US

Inventor(s):

BISTRICEANU Virgil, BISTRICEANU, Virgil , Apartment 2B, 254 West 31st
Street, Chicago, IL 60616 , US
MULLER Craig, MULLER, Craig , 3511 Mallard Court, Rolling Meadows, IL
60008 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9960503 A1 19991125
Application: WO 99US10636 19990513 (PCT/WO US9910636)
Priority Application: US 9880946 19980519

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MD MG MK MN MW NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG UZ VN YU ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM
AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM
GA GN GW ML MR NE SN TD TG

Main International Patent Class: G06F-017/60 ;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 7890

English Abstract

A system and method provides web site proprietors with demographics information about the users who visit their web sites, and provides web site visitors with incentive awards (i.e., points) in exchange for providing the demographics information and interacting with the web sites in a predefined manner. Users complete a questionnaire designed to solicit various demographics data of interest to web site proprietors. A profile is then associated with user identification information and stored on a server. The identification information is also stored on the user's local device to identify the user on subsequent visits to participating sites. Users visit the web sites of one or more participating web site proprietors. In so doing the participating user will be awarded points that can be redeemed for products or services at a later date. The system automatically awards points to deserving users without requiring the users to manually leave the web site awarding the points. Periodically, the system develops a report for each participating web site proprietor providing a demographics profile of the participating users that interacted with the web site in predefined ways. The system also provides redemption sites where participating users can visit to convert the points accumulated into products or services.

French Abstract

L'invention concerne un systeme et un procede qui permettent de fournir a des proprietaires de sites Web des donnees demographiques concernant les utilisateurs visitant leurs sites, et d'octroyer des primes

d'encouragement (des points, par exemple) aux visiteurs qui acceptent de fournir ces données démographiques et d'interagir avec les sites Web selon des modalités préétablies. Les utilisateurs remplissent un questionnaire sollicitant d'eux diverses données démographiques d'intérêt pour les propriétaires de sites. Un profil est ainsi associé aux données d'identification de l'utilisateur et stocké dans un serveur. Ces données d'identification sont également stockées dans l'appareil local de l'utilisateur et permettent d'identifier ce dernier lors de visites subsequentes des sites participants. Les utilisateurs peuvent visiter les sites Web d'un ou de plusieurs propriétaires participants et engranger ainsi des points qu'ils pourront échanger ultérieurement contre des produits ou des services. Le système octroie automatiquement des points aux utilisateurs méritants sans exiger d'eux de quitter manuellement le site Web qui leur attribue ces points. Le système établit périodiquement, à l'intention de chaque propriétaire de site Web participant, un rapport dressant un profil de données démographiques concernant les utilisateurs qui ont accepté d'interagir avec les sites selon les modalités préétablies. Le système propose également des sites d'échange que les utilisateurs participants peuvent visiter pour échanger les points qu'ils ont accumulés contre des produits ou des services.

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

Detailed Description

Detailed Description

... by the profile server 16.

Optionally, the transaction server 18 includes means for awarding incentive **points** to participating web site visitors.

Although a person with ordinary skill in the art will readily appreciate that the **awarding** means can be implemented in many ways without departing from the scope of the invention, in the preferred embodiment the **awarding** means is implemented by **software** instructions operating in a microprocessor resident in apparatus 8.

Preferably, certain conditions must be met before **points** are **awarded**. These business rules are preferably unique to a participating web site and are preferably defined...

6/5,K/10 (Item 7 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00649199

MULTI-PLAYER INTERACTIVE ELECTRONIC GAME FOR HEALTH EDUCATION

JEU ELECTRONIQUE INTERACTIF D'EDUCATION A LA SANTE POUR PLUSIEURS JOUEURS

Patent Applicant/Assignee:

HEALTH HERO NETWORK INC, HEALTH HERO NETWORK, INC. , Suite 111, 2570 West El Camino Real, Mountain View, CA 94040 , US

Inventor(s):

BROWN Stephen J, BROWN, Stephen, J. , 3324 Woodside Road, Woodside, CA 94062 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9932201 A1 19990701

Application: WO 98US27487 19981222 (PCT/WO US9827487)

Priority Application: US 97995609 19971222

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG

US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: A63F-009/22;

International Patent Class: G06F-019/00 ; G09B-007/04;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6060

English Abstract

A multi-player interactive electronic game for health education encourages inter-player communication about a health condition by correlating the player's progress. Each player manages the health of a game construct such as a game character or body region. Correlating the player's game progress is achieved through: common scoring; conditioning a player's passage to higher levels on the health management success of all players; and shared game resources, including game resources representing devices or supplies used in the care of the health condition. Applications include children's health education related to diseases such as diabetes and asthma, as well as health habits such as dental hygiene, and tobacco, alcohol and drug use.

French Abstract

L'invention concerne un jeu electronique interactif d'education a la sante pour plusieurs joueurs, ce jeu encourageant ces differents joueurs, en mettant en correlation leurs progressions, a communiquer au sujet d'un certain etat de sante. Chaque joueur gere la sante d'une structure de jeu, par exemple un personnage ou une region du corps. On met en correlation les progressions des differents joueurs en mettant leurs scores en commun, en soumettant le passage d'un seul joueur au niveau superieur a la reussite de la gestion des soins par l'ensemble des joueurs, et enfin en partageant les ressources du jeu, notamment celles representant des dispositifs ou des fournitures utilises pour l'education a la sante. Ce jeu peut avoir de nombreuses applications, notamment pour l'education a la sante des enfants concernant des maladies comme les diabetes ou l'asthme, ainsi que des comportements tels que l'hygiene dentaire et l'usage de tabac, d'alcool, et de drogue.

International Patent Class: G06F-019/00 ; G09B-007/04;

Fulltext Availability:

Detailed Description

Detailed Description

... in the Asthma Record that appears at the end of each adventure level.

Players earn **points** for making appropriate asthma **management** decisions and answering questions about asthma properly. To receive a special **bonus**, players must manage Bronkie or Trakie's asthma perfectly by avoiding all asthma triggers, keeping...

6/5,K/11 (Item 8 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00637920

SYSTEM AND METHOD FOR INCENTIVE PROGRAMS AND AWARD FULFILLMENT
SYSTEME ET PROCEDE D'APPLICATION DE PROGRAMMES D'INCITATION ET D'OBTENTION
DE RECOMPENSE

Patent Applicant/Assignee:

EGGLESTON York, EGGLESTON, York , 301 S. Fremont Avenue, Baltimore, MD
21230 , US

Inventor(s):

UKHOV Andrey, UKHOV, Andrey , Apartment 301, 3607 38th Street,
Washington, DC 20016 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9921103 A2 19990429

Application: WO 98US21765 19981015 (PCT/WO US9821765)

Priority Application: US 9763180 19971020; US 9767776 19971210; US
9840490 19980318

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
ML MR NE SN TD TG

Main International Patent Class: G06F-017/00 ;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 30776

English Abstract

A method and system for providing incentive programs over a computer network is provided in which a host may provide sponsoring companies with the capability to buy prepackaged or self-built incentive programs, offer such incentive programs to consumers, provide sponsoring companies and retailers with the capability to associate prizes with incentive programs, provide sponsoring companies, retailers and consumers with convenient fulfillment of prizes, and store and manipulate databases regarding all of the foregoing.

French Abstract

L'invention concerne un procede et un systeme d'application de programmes d'incitation dans un reseau informatique dans lequel un hote peut permettre a des compagnies de parrainage d'acheter des programmes d'incitation conditionnes a l'avance ou auto-generes; d'offrir ces programmes d'incitation a des consommateurs; de permettre a des compagnies de parrainage et a des revendeurs d'associer des recompenses aux programmes d'incitation; de proposer des recompenses interessantes a des compagnies de parrainage, des revendeurs et des consommateurs; et de memoriser et manipuler des bases de donnees contenant tout ce qui precede.

Main International Patent Class: G06F-017/00 ;

Fulltext Availability:

Detailed Description

Detailed Description

... activities, such as answering questions. When the consumer wins an incentive program, the incentive program **software** algorithm indicates that a "win" has been accomplished and informs the consumer of the appropriate **prize** . The databases are then updated to reflect that the consumer has won the **prize** . The **prize** could include not only retail merchandise, but loyalty **points** , discounts, coupons, and the like. Thus, for example, a consumer participating in a scratch...

DIALOG(R) File 349:PCT Fulltext
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00624993

**AN AUDIOVISUAL CONTENT DISTRIBUTION SYSTEM
SYSTEME DE DISTRIBUTION DE CONTENU AUDIOVISUEL**

Patent Applicant/Assignee:

PICS PREVIEWS INC, PICS PREVIEWS, INC. , Suite 1410, 655 Montgomery
Street, San Francisco, CA 94111 , US

Inventor(s):

STERN Michael R, STERN, Michael, R. , 75 Marguerite Avenue, Mill Valley,
CA 94141 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9908203 A1 19990218

Application: WO 98US16486 19980807 (PCT/WO US9816486)

Priority Application: US 9755708 19970808

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FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

Main International Patent Class: **G06F-017/00** ;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 17229

English Abstract

A digital department system is disclosed. The digital department system of the present invention includes a network management center (110), a network operating center (120) that is coupled to the network management center (110), a multimedia server (160), a multicasting transmission medium coupling the network operating center (120) and the multimedia server (160), a listening post (185) coupled to the multimedia server (160) by the network (150), and one or more audio/video display (190) capable of displaying video and capable of playing audio, the audio video display (190) coupled to the multimedia server (160) by the network (150). The audio and video content are stored in digitized files (122) on the multimedia server for distribution throughout the site via the network (150).

French Abstract

La presente invention concerne un systeme de comptoir numerique qui comprend: un centre de gestion de reseau (110), un centre d'exploitation de reseau (120) qui est couple au centre de gestion de reseau (110), un serveur multi-media (160), un support de transmission multi-diffusion qui couple le centre d'exploitation de reseau (120) et le serveur multi-media (160), un poste d'ecoute (185) couple au serveur multi-media (160) par le reseau (150), et un ou plusieurs dispositifs de presentation audio/video (190) permettant d'afficher des donnees video et de reproduire des donnees audio, le dispositif de presentation audio- video (190) etant couple au serveur multi-media (160) par le reseau (150). Les contenus audio et video sont stockes dans des fichiers numerises (122) sur le serveur multi-media (160) afin d'etre distribues sur le site via le reseau (150).

Main International Patent Class: **G06F-017/00** ;

Fulltext Availability:

Detailed Description

Detailed Description

... employees being trained, for example.

Multimedia server 160, as indicated in Appendix A, distributes the promotional information in digital data files 122 to various points in commercial sales outlet 130 (e.g., wall-of eyes 180, in-store radio system 170, in-line computer hardware and software display 165, audio/video endcaps in other departments 195, listening posts 185, and other destinations...).

6/5,K/13 (Item 10 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00624987

DIGITAL DEPARTMENT SYSTEM

SYSTEME DE COMPTOIR NUMERIQUE

Patent Applicant/Assignee:

PICS PREVIEWS INC, PICS PREVIEWS, INC. , Suite 1410, 655 Montgomery Street, San Francisco, CA 94111 , US

Inventor(s):

STERN Michael R, STERN, Michael, R. , 75 Marguerite Avenue, Mill Valley, CA 94141 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9908194 A1 19990218

Application: WO 98US16476 19980807 (PCT/WO US9816476)

Priority Application: US 9755708 19970808

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Main International Patent Class: G06F-013/00 ;

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 39349

English Abstract

A digital department system (100) is disclosed. The digital department system of the present invention includes a network management center (110), a network operating center (120) that is coupled to the network management center (110), a multimedia server (160), a multicasting transmission medium (125) coupling the network operating center (120) and the multimedia server (160), a listening post (185) coupled to the multimedia server by the network (150), and one or more audio/video display capable of displaying video and capable of playing audio, the audio video display coupled to the multimedia server (160) by the network. The audio and video content are stored in digitized files on the multimedia server (160) for distribution throughout the site via the network (150).

French Abstract

La presente invention concerne un systeme de comptoir numerique (100) qui comprend: un centre de gestion de reseau (110), un centre d'exploitation de reseau (120) qui est couple au centre de gestion de reseau (110), un serveur multi-media (160), un support de transmission multi-diffusion

(125) qui couple le centre d'exploitation de reseau (120) et le serveur multi-media (160), un poste d'ecoute (185) couple au serveur multi-media par le reseau (150), et un ou plusieurs dispositifs de presentation audio/video permettant d'afficher des donnees video et de reproduire des donnees audio, le dispositif de presentation audio- video etant couple au serveur multi-media (160) par le reseau. Les contenus audio et video sont stockes dans des fichiers numerises sur le serveur multi-media (160) afin d'etre distribues sur le site via le reseau (150).

Main International Patent Class: G06F-013/00 ;

Fulltext Availability:

Detailed Description

Detailed Description

... employees being trained, for example.

Multimedia server 160, as indicated in Appendix A, distributes the promotional information in digital data files 122 to various points in commercial sales outlet 130 (e.g., wall-of eyes 180, in-store radio system 170, in-line computer hardware and software display 165, audio/video endcaps in other departments 195, listening posts 185, and other destinations...).

6/5,K/14 (Item 11 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00593272

IN-STORE CONSUMER TARGETED MESSAGING SYSTEM

SYSTEME DE MESSAGERIE EN MAGASIN CIBLEE SUR LE CONSOMMATEUR

Patent Applicant/Assignee:

INFRAMEDIA CORPORATION, INFRAMEDIA CORPORATION , 67 Auburn Extension,
Framingham, MA 01701 , US

Inventor(s):

ABELL Peter B, ABELL, Peter, B. , 6 Hemlock Hill, Amherst, NH 03031 , US
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FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
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Publication Language: English

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Detailed Description

Claims

Fulltext Word Count: 7477

English Abstract

A system for use in a retail store that permits consumers to identify themselves to an in-store merchandising system prior to check-out. As a result, the consumer may be presented with promotional offers and other information specifically targeted to the particular consumer. The consumer may be identified in a number of ways such as by swiping magnetic cards and card readers attached to shopping carts. Promotional offers made to the consumer may be based on previous habits of the

particular consumer, the consumer's location in the store, demographics, or purchase triggers. A consumer may also receive targeted information with respect to particular items considering purchase such as, for example, to determine the appropriateness of purchasing particular food items and prescription medication and/or over the counter drugs.

Retailers and product manufacturers may therefore use information to better plan product placement, to be more responsive to customer demand, and to otherwise understand the purchasing habits of their customers.

French Abstract

L'invention concerne un systeme utilise dans un magasin de vente au detail, qui permet a des consommateurs de se faire identifier par un systeme de commercialisation en magasin avant de passer aux caisses. En consequence, le consommateur peut se faire proposer des offres promotionnelles et d'autres informations specifiquement ciblees sur le consommateur particulier. Le consommateur peut etre identifie de plusieurs manieres, telles que par passage de cartes magnetiques dans des lecteurs de cartes fixes a des caddies. Il est possible de faire des offres promotionnelles au consommateur sur la base d'habitudes anterieures du consommateur particulier, de l'emplacement du consommateur dans le magasin, de donnees demographiques, ou de declencheurs d'achat. Un consommateur peut egalement recevoir des informations ciblees concernant l'achat d'articles particuliers, tels que, par exemple, pour determiner le caractere approprie d'un achat d'articles alimentaires, de medicaments prescrits particuliers et/ou de remedes particuliers en vente libre. Des detaillants et des fabricants d'articles peuvent ainsi utiliser ces informations pour mieux planifier le placement de produits, etre plus attentif aux demandes du consommateur, et pour comprendre differemment les habitudes d'achat de leurs clients.

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

Detailed Description

Detailed Description

... various databases such as an item/vendor database 21, a promotional advertisement database 22, a **point** of sale history database 23, and a customer information database 27. Various promotional information sources are used to create data records representing **promotions** and advertising delivery systems such as a headquarters advertising **promotion** delivery system 24, and a consumer segmenting and targeting process 26. A **promotional** advertising **management** and is rationalization system 25 presents these **promotions** and advertising offers to typically a network of individual retail in-store systems 30. These **promotions** may be manufacturer's **promotions** provided by the promotional advertising database 22 or may be store-specific as derived from the customer information database 27 or the **point** of sale history database 23, as well as

6/5,K/15 (Item 12 from file: 349)

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00556406

POINT-OF-SALE DISCOUNTING AND PROMOTION ANALYSIS SYSTEM AND METHOD
SYSTEME ET PROCEDE D'ANALYSE DES PROMOTIONS ET DES VENTES AU RABAIS SUR LE
LIEU D'ACHAT

Patent Applicant/Assignee:

CODESAVER INTERNATIONAL INC, CODESAVER INTERNATIONAL, INC. , 10 Glenkirk
Court, Dallas, TX 75225 , US

Inventor(s):

NAFTZGER Walter L, NAFTZGER, Walter, L. , 10 Glenkirk Court, Dallas, TX

75225 , US

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Detailed Description

Claims

Fulltext Word Count: 15728

English Abstract

A computer-implemented discounting system (10) and associated method for comparative analysis of consumer response to **promotions** . The discounting system includes a memory for storing information related to at least one **promotion** and a **software** module. First and second **promotional** entries related to **promotions** for a product are stored. The **software** module (12) receives **promotional** codes entered by consumers and maintains counts (20c) of the total number of times the **promotion** codes are received and transmits discount information for the **promotions** to the **point** -of-sale transaction device (14). There, the cost of the **point** - of-sale transaction is reduced by the discount amount if a product matching a transmitted product code has been purchased. The first and second counts are later retrieved and a comparative analysis of the **promotions** is performed.

French Abstract

L'invention concerne un systeme de ventes au rabais (10) informatise et un procede associe permettant l'analyse comparative des reactions des consommateurs a ces promotions. Ce systeme de ventes au rabais comporte une memoire destinee au stockage des informations liees a au moins une promotion, ainsi qu'un module logiciel. Des premier et deuxieme parametres promotionnels lies a des promotions sur un produit sont memorises. Le module logiciel (12) reçoit des codes promotionnels introduits par les consommateurs et actualise les comptages (20c) du nombre total de fois que les codes promotionnels sont reçus, et transmet des informations de vente au rabais concernant ces promotions au dispositif de transaction sur le lieu d'achat (14). A ce moment-la, le cout de la transaction sur le lieu d'achat est reduit du montant de la remise en cas d'achat d'un produit correspondant a un code produit transmis. Les premier et deuxieme comptages sont extraits ulterieurement et une analyse comparative des promotions est realisee.

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

Detailed Description

Claims

English Abstract

...computer-implemented discounting system (10) and associated method for comparative analysis of consumer response to **promotions** . The discounting system includes a memory for storing information related to at least one **promotion** and a **software** module. First and second **promotional** entries related to **promotions** for a product are stored.

The **software** module (12) receives **promotional** codes entered by consumers and maintains counts (20c) of the total number of times the **promotion** codes are received and transmits discount information for the **promotions** to the **point** -of-sale transaction device (14). There, the

cost of the **point - of-sale** transaction is reduced by the discount amount if a product matching a transmitted...

Detailed Description

... on purchased goods. It is, therefore, the object of the invention to provide such a **point -of-sale** discounting system and the further object of the invention to provide such a system for analyzing consumer response to product **promotions** .

SUMMARY OF THE EVENTION

In one embodiment, the present invention is directed to a computer implemented discounting system which accepts **promotional** codes entered as a series of characters. A **software** module receives the **promotional** codes and, using information related to at least one **promotion** stored in a memory subsystem coupled thereto, determines if the entered **promotional** codes relate to one of the promotions. If so, discount information is transmitted to an associated **point -of-sale** transaction device. In one aspect thereof, the information stored in the memory subsystem includes, for each one of the **promotions** , a **promotional** code, a product code and a discount amount. The **software** module compares the received **promotional** code with the **promotional** codes stored in the memory subsystem and, if the received **promotional** code matches one of the **promotional** codes stored in the memory subsystem, transfers the product code and the discount amount corresponding to the matched promotional code to the **point -of-sale** transactional device.

In another aspect thereof, the information stored in the memory subsystem includes, for each one of the **promotions** , a **promotion** period. In this aspect, the **software** module transfers the product code and discount amount only if it determines that the received **promotional** code matching one of the **promotional** codes was received during the **promotion** period.

In yet another aspect thereof, the information stored in the memory subsystem includes, for each one of the **promotions** , a **promotional** code count of a total number of times that the **promotional** code has been received and a maximum number of **promotional** codes.

In this aspect, the **software** module transfers the product code and discount amount only if it determines that **promotional** code count does not exceed the maximum number of **promotional** codes.

In another embodiment, the present invention is of a computer implemented discounting system suitable for use in conjunction with a **point -of-sale** transaction device. In one configuration thereof, the discounting system includes a keypad for...
...discounting system further includes a memory subsystem for storing information related to at least one **promotion** and a software module coupled to the memory subsystem and either the keypad or converting...

...stored in the memory subsystem. The software module compares the received promotional codes with the **promotional** codes stored in the memory subsystem and, if the received **promotional** codes match one of the **promotional** codes stored in the memory subsystem, the **software** module , transfers the product code and the discount amount corresponding to the matched **promotional** code to the **point -of-sale** transactional device.

In other aspects thereof, the information stored in the memory subsystem further includes a **promotion** period for each **promotion** . If the received **promotional** code matches one of the **promotional** codes stored in the memory subsystem, the **software** module determines, if the

received **promotional** code was received during the **promotion** period corresponding to the matching **promotional** code. If so, the product code discount amount corresponding to the matched **promotional** code are transferred to the **point** -of-sale transactional device. Preferably, the promotion period includes a promotion start time/date and...maximum number of promotional codes. The product code and discount amount corresponding to the matched **promotional** code are transferred to the **point** -of-sale transactional system if the **promotional** code count does not exceed the maximum number of **promotional** codes.

In certain further aspects thereof, the **software** module which performs certain of the aforementioned tasks is executed by a processor subsystem coupled...

...is of a point-of-sale transactional system which includes a transactional device for performing **point** -of sale transactions, a consumer interface for accepting codes entered by consumers and a discounting...

...coupled to the consumer interface and the transactional device. The discounting device includes a first **software** module which receives codes from the consumer interface, determines if the received codes are **promotional** codes and transmits discount information, for each determined **promotional** code, to the transactional device. The transactional device includes a second **software** module which performs the **point** -of-sale transaction using the discount information received from the discounting device.

In one aspect...codes with the promotional codes stored in the memory subsystem and transmits, to the second **software** module, the product code and the discount amount corresponding to a first promotional code if the received code matches the first promotional code and was received within the **promotion** period. The second software module reduces the cost of the point-of-sale transaction by the discount amount if an item having the product code transmitted to the second **software** module was purchased during the point-of-sale transaction.

In still another alternate aspect thereof, the discounting device includes a memory subsystem in which at least one **promotional** code, together with corresponding **promotion** periods, product codes, discount amounts, **promotional** code counts and maximum number of **promotional** codes are stored. In this aspect, the first **software** module compares the received codes with the **promotional** codes stored in the memory subsystem and transmits, to the second **software** module, the product code and the discount amount corresponding to a first **promotional** code if the received code matches the first **promotional** code, was received within the **promotion** period and the **promotional** code count does not exceed the maximum number of **promotional** codes. The second **software** module reduces the cost of the point-of sale transaction by the discount amount if...

...embodiment, the present invention is of a computer implemented method of discounting an on-going **point** -of-sale transaction. A series of promotional codes and a corresponding series of promotional information ...reference to the accompanying drawing, in which:

FIG. I is a block diagram of a **software** -based, consumer-provided **promotional** code actuatable **point** -of-sale discounting system constructed in accordance with the teachings of the present invention and ...

...providing promotional codes and to analyze consumer response to advertisements based upon consumer usage of **promotional** codes; FIG. 2 is a block diagram of a **promotional** code suitable for use in

conjunction with the **software** -based **promotional** code actuatable **point** -of-sale discounting system of FIG. 1; FIG. 3 is a block diagram of a computer system in which the **software** based, consumer-provided **promotional** code actuatable **point** -of-sale discounting system of FIG. 1 resides; FIG. 4 is top view of a **point** -of-sale transactional system which incorporates the consumer-provided promotional code actuatable **point**-of-sale...

...sale discounts to consumers entering valid promotional codes into the consumer-provided promotional code actuatable **point** -of-sale discounting system and a method of analyzing consumer response to advertisements based upon consumer usage of **promotional** codes.

DETAILED DESCRIPTION

Referring first to Fig. 1, a **software** -based, consumer-provided **promotional** code actuatable **point** -of-sale discounting system 10 will now be described in greater detail. The **software** -based **point** -of-sale discounting system 10 includes a **software** module 12 executable by a processor subsystem (not shown in FIG. 1) of a computer...

...system, a computer system networked to a series of the promotional discounting devices and/or **point** -of-sale transactional systems, or an automated transactional system such as a vending machine. As will be more fully described below, the **software** module 12 interacts with various **software** and/or hardware devices to provide discounts to consumers who: (1) purchase a particular product; and (2) provide a valid **promotional** code which corresponds to the purchased product.

The **point** -of-sale transaction for which the **software** module 12 provides discount information is handled by **software** module 14. The **software** module 14 is **point** -of-sale transaction software which receives information regarding the transaction, ...respective memory subsystems 24, 22, it should be clearly understood that the first and second **software** modules 12 and 14 may be incorporated into a single **software** module coupled to both the transactional interface 14 and the **promotional** interface 16. Such an embodiment would also require only a single processor subsystem to execute the combined **software** module and a single memory subsystem capable of holding the requisite **promotional** and transactional information.

The **point** -of-sale discounting system 10 provides discounts to consumers providing **promotional** codes thereto in the following manner. A transaction is initiated by transmitting, via transactional interface 16, information regarding the transaction to the **software** module 14. Typically, a transaction is initiated by the cashier transmitting, via a keypad (not...18 to dispense an amount, in cash, equal to the discount amount received from the **software** module 14.

Referring next to FIG. 3, a computer system 21 in which the **software** based, consumer-provided **promotional** code actuatable **point** -of-sale discounting system 10 resides may now be seen. The computer system 21 includes a processor subsystem 23 capable of executing the **software** module 12 and a memory subsystem 24 coupled together by a main system bus 25...has been purchased.

In an alternate embodiment of the invention not illustrated herein, both the **software** module 12 and the valid **promotional** codes may be maintained within the electronic cash register 43. In this embodiment, the **software** module 12 would be executed by the processor subsystem 43, the valid **promotional** codes would be stored in the memory subsystem 22 and the **point** -of-sale transactional system 30 would operate as a stand-alone system which includes both a transactional device for

performing **point -of-sale** transactions and a discounting device for transmitting discount information to the transactional device. In another embodiment of the invention, both the **software** module 12 and the valid **promotional** codes may be maintained within the consumer terminal 48 by incorporating the computer system 21 therein.

Referring next to FIG. 5, the storage of **promotional** codes within the memory subsystem 24 will now be described in greater detail. The method

...

Claim

WHAT IS CLAIMED IS:

1. A computer-implemented discounting system for use in conjunction with **point -of-sale** transaction device, comprising:

a device which accepts promotional codes entered as a series...

...one of said at least one promotion and wherein said software module compares said received **promotional** codes with said **promotional** codes stored in said memory subsystem and, if said received **promotional** codes match one of said **promotional** codes stored in said memory subsystem, said **software** module transfers said product code and said discount amount corresponding to said matched **promotional** code to said **point -of-sale** transactional device.

3. A computer-implemented discounting system according to claim 2 wherein said information, stored in said memory subsystem, related to at least one **promotion** further comprises a **promotion** period for each of said at least one **promotion** and wherein said **software** module determines, if said received **promotional** code matches one of said **promotional** codes stored in said memory subsystem, if said received **promotional** code was received during said **promotion** period corresponding to said matching promotional code and transfers said product code and said discount amount corresponding to said matched promotional code to said **point -of-sale** transactional device only if said received promotional code was received during said promotion...

...related to at least one promotion further comprises, for each of said at least one **promotion**, a **promotional** code count of a total number of times that said **promotional** code has been received and a maximum number of **promotional** codes and wherein said **software** module determines, if said received **promotional** code matches one of said **promotional** codes stored in said memory subsystem, if said corresponding **promotional** code count exceeds said maximum number of **promotional** codes has been received and transfers said discount amount corresponding to said matched promotional code to said **point -of-sale** transactional device only if said promotional code count does not exceed said maximum...

...of promotional codes.

5. A computer- implemented discounting system for use in conjunction with a **point -of-sale** transaction device, comprising:

a keypad for accepting **promotional** codes entered by consumers; a memory subsystem, said memory subsystem storing information related to at least one **promotion**; a **software** module, coupled to said keypad and said memory subsystem; said **software** module receiving said **promotional** codes entered by consumers using said keypad, using said information held in said memory subsystem to determine if said entered **promotional** codes relates to one or more of said at least one **promotion** and transmitting discount information for said promotions related to said entered promotional codes to said **point -of-sale** transaction device.

6. A computer-implemented discounting system according to claim 5 wherein
...

...stored in said memory subsystem, related to at least one promotion is
comprised of a **promotional** code, a product code and a discount amount
for each one of said at least...

...computer-implemented discounting system according to claim 7 wherein
said software module compares said received **promotional** codes with said
promotional codes 29 stored in said memory subsystem and, if said
received **promotional** codes match one of said **promotional** codes stored
in said memory subsystem, said **software** module transfers said product
code and said discount amount corresponding to said matched **promotional**
code to said **point** -of-sale transactional device.

9. A computer-implemented discounting system according to claim 8 wherein
said information, stored in said memory subsystem, related to at least
one **promotion** further comprises a **promotion** period for each of said
at least one **promotion**.

10. A computer-implemented discounting system according to claim 9
wherein said **software** module determines, if said received **promotional**
code matches one of said **promotional** codes stored in said memory
subsystem, if said received **promotional** code was received during said
promotion period corresponding to said matching promotional code and
transfers said product code and said discount amount corresponding to
said matched promotional code to said **point** -of-sale transactional
device only if said received promotional code was received during said
promotion...least one promotion, a promotional code count of a total
number of times that said **promotional** code has been received and a
maximum number of **promotional** codes.

14. A computer- implemented discounting system according to claim 13
wherein said **software** module determines, if said received **promotional**
code matches one of said **promotional** codes stored in said memory
subsystem, if said corresponding **promotional** code count exceeds said
maximum number of **promotional** codes has been received and transfers
said discount amount corresponding to said matched promotional code to
said **point** -of-sale transactional device only if said promotional code
count does not exceed said maximum...

...a promotional code.

18. A computer-implemented discounting system for use in conjunction with
a **point** -of-sale transaction device, comprising:

a microphone for accepting **promotional** codes audibililized by consumers;
means for converting said audibilized **promotional** codes into
corresponding digital messages; 31 a memory subsystem, said memory
subsystem storing information related to at least one **promotion** ; a
software module, coupled to said converting means and said memory
subsystem; said **software** module receiving said digital messages
corresponding to said **promotional** codes audibilized by consumers using
said microphone, using said information held in said memory subsystem...

...stored in said memory subsystem, related to at least one promotion is
comprised of a **promotional** code, a product code and a discount amount
for each one of said at least one **promotion**.

20. A computer-implemented discounting system according to claim 19
wherein said **software** module compares said received digital messages

with said **promotional** codes stored in said memory subsystem and, if said received digital messages match one of said **promotional** codes stored in said memory subsystem, said **software** module transfers said product code and said discount amount corresponding to said matched **promotional** code to said **point -of-sale** transactional device.

21. A computer-implemented discounting system according to claim 20 wherein said information, stored in said memory subsystem, related to at least one **promotion** further comprises a **promotion** period for each of said at least one **promotion**.

22. A computer-implemented discounting system according to claim 21 wherein said **software** module determines, if said received **promotional** code matches one of said **promotional** codes stored in said memory subsystem, if said received **promotional** code was received during said **promotion** period corresponding to said matching promotional code and transfers said product code and said discount amount corresponding to said matched promotional code to said **point -of-sale** transactional device only if said received promotional code was received during said promotion...

...least one promotion, a promotional code count of a total number of times that said **promotional** code has been received and a maximum number of **promotional** codes.

24. A computer-implemented discounting system according to claim 23 wherein said **software** module determines, if said received digital message matches one of said **promotional** codes stored in said memory subsystem, if said corresponding **promotional** code count exceeds said maximum number of **promotional** codes has been received and transfers said discount amount corresponding to said matched promotional code to said **point -of-sale** transactional device only if said promotional code count does not exceed said maximum...

...promotional codes.

25. A **point-of-sale** transactional system, comprising:

a transactional device for performing **point -of-sale** transactions; a consumer interface for accepting codes entered by consumers; a discounting device, coupled to said consumer interface and said transactional device, said discounting device including a first **software** module which receives codes from said consumer interface, determines if said received codes are **promotional** codes and transmits discount information, for each determined **promotional** code, to said transactional device; said transactional device including a second **software** module which performs said **point -of-sale** transaction using said discount information received from said discounting device.

26. A **point -of-sale** transactional system according to claim 25 wherein said transactional device further comprises:

means...

...said discounting device capable of accepting codes from consumers only when activated.

33

27. A **point -of-sale** transactional system according to claim 25 wherein said discounting device further comprises:

a...claim 25 wherein said discounting device further comprises:

a memory subsystem coupled to said first **software** module, said memory subsystem storing at least one **promotional** code and a **promotion** period and a discount amount for each of said at least one **promotional** code stored therein; said first **software** module comparing said received codes with said at least one **promotional** codes stored in said memory subsystem, validating said received code and transmitting said discount amount corresponding to a first one of said at least one **promotional** codes to said second **software** module if said received code matches said first one of said at least one **promotional** codes and was received during said **promotion** period.

29. A point-of-sale transactional system according to claim 25 wherein said discounting device further comprises:

a memory subsystem coupled to said first **software** module, said memory subsystem storing at least one **promotional** code and a **promotion** period, a product code and a discount amount for each of said at least one **promotional** code stored therein; said first **software** module comparing said received codes with said at least one **promotional** codes stored in said memory subsystem, validating said received code and transmitting said product code and said discount amount corresponding to a first one of said at least one **promotional** codes to said second **software** module if said received code matches said first one of said at least one **promotional** codes and was received during said **promotion** period; 34 said second **software** module determining a cost of said point -of-sale transaction and reducing said cost by said discount amount if an item having said product code transmitted to said second software module was purchased during said point -of-sale transaction.

30. A point -of-sale transactional system according to claim 25 wherein said discounting device further comprises:

a memory subsystem coupled to said first **software** module, said memory subsystem storing at least one **promotional** code and a **promotion** code, a **promotion** period, a product code, a discount amount, a **promotional** code count of a total number of times that said promotional code has been received...

...code and said discount amount corresponding to a first one of said at least one **promotional** codes to said second **software** module if said received code matches said first one of said at least one **promotional** codes, was received during said **promotion** period and said **promotional** code count does not exceed said maximum number of **promotional** codes; said second **software** module determining a cost of said point -of-sale transaction and reducing said cost by said

6/5,K/16 (Item 13 from file: 349)

DIALOG(R)File 349:PCT Fulltext
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00543438

NATIONAL CUSTOMER RECOGNITION SYSTEM AND METHOD

SYSTEME NATIONAL DE RECONNAISSANCE DE CLIENTS ET PROCEDE CORRESPONDANT

Patent Applicant/Assignee:

HARRAH'S OPERATING COMPANY INC, HARRAH'S OPERATING COMPANY, INC. , 1023
Cherry Road, Memphis, TN 38117 , US

Inventor(s):

BOUSHY John Michael, BOUSHY, John, Michael , 2515 Guilford Cove,
Germantown, TN 38117 , US

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FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU GH KE
LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR
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International Patent Class: G07F-017/32;

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Detailed Description

Claims

Fulltext Word Count: 13424

English Abstract

A system and method for implementing a customer tracking and recognition program that encompasses customers' gaming and non-­gaming activity alike at a plurality of affiliated casino properties. Customer information is accumulated at each affiliated casino through one or more LAN­based management systems, updated to a central patron database (CPDB) that is coupled to each casino LAN through a WAN, and made available to each affiliated casino property as needed. Customer accounts are automatically activated and provided with data from the CPDB when a customer from one casino property first visits an affiliated casino property. Customer accounts are updated with new activity data whenever a management system associated with the casino receives customer data from input devices, such as card readers, workstations, and dumb terminals, located at various venues throughout the casino. Customers are awarded points, based on their tracked activity at all affiliated casino properties. The point awards have a monetary value and are redeemable for gifts, meals, cash and the like, at any of the casino properties. The point awards may embody different promotional schemes in which point awards are adjusted to target different casino properties or different venues within a casino. Summary customer data, including point levels, is regularly updated to reflect ongoing customer activity at the casino property. This data is made available to employees at any affiliated casino property, as needed, to personalize customer services.

French Abstract

Cette invention se rapporte a un systeme et a un procede permettant d'effectuer un suivi des clients et a un programme de reconnaissance qui traite tout a la fois des activites non liees aux jeux d'argent et de celles liees a ce type de jeux dans une pluralite de casinos affiliees. Les informations relatives aux clients sont conservees au niveau de chaque casino affilie par l'intermediaire d'un ou de plusieurs systemes de gestion de reseaux locaux, mises a jour dans une base de donnees de clients centralisee (CPDB) qui est couplee a chaque reseau local de casino par l'intermediaire d'un reseau etendu et mises a la disposition de chaque casino affilie en fonction des besoins. Des comptes clients sont automatiquement actives et alimentes avec des donnees issues de la CPDB lorsque le client d'un casino donne se rend pour la premiere fois dans un casino affilie. Ces comptes clients sont mis a jour avec de nouvelles donnees relatives auxdites activites chaque fois qu'un systeme de gestion associe audit casino recoit des donnees clients sur un des dispositifs d'entree du type lecteurs de carte, stations de travail et terminaux passifs, disposes en divers emplacements du casino. On attribue des points aux clients, en fonction de leur activite identifiee au niveau de tous les casinos affiliees. Les recompenses en points possedent une valeur pecuniaire et peuvent etre echangees contre des cadeaux, des repas, des especes et analogues, dans n'importe quel casino. Ces

recompenses en points peuvent servir de support a differentes campagnes publicitaires dans lesquelles ces recompenses peuvent etre ajustees de facon a cibler divers casinos ou des points de rencontre differents au sein d'un casino. Des donnees clients recapitulatives, incluant les totaux de points, sont regulierement mises a jour de facon a refleter l'activite en cours du client au sein du casino. Les employes peuvent acceder a ces donnees dans n'importe quel casino affilié, en fonction des besoins, de facon a personnaliser les prestations offertes aux clients.

Main International Patent Class: G06F-017/60 ;

English Abstract

...visits an affiliated casino property. Customer accounts are updated with new activity data whenever a **management** system associated with the casino receives customer data from input devices, such as card readers, workstations, and dumb terminals, located at various venues throughout the casino. Customers are **awarded points**, based on their tracked activity at all affiliated casino properties. The point awards have a...

6/5,K/17 (Item 14 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00393229

SYSTEM AND METHOD FOR DETERMINING THE IMPACT OF WEATHER AND OTHER FACTORS
ON MANAGERIAL PLANNING APPLICATIONS

SYSTEME ET PROCEDE PERMETTANT DE DETERMINER L'INCIDENCE DE LA METEOROLOGIE
ET D'AUTRES FACTEURS SUR DES APPLICATIONS DE PLANIFICATION DE GESTION

Patent Applicant/Assignee:

STRATEGIC WEATHER SERVICES

Inventor(s):

FOX Frederick D
PEARSON Douglas R
RHOADS Michael A
ZALESKI Peter A

Patent and Priority Information (Country, Number, Date):

Patent: WO 9524012 A1 19950908
Application: WO 95US2557 19950306 (PCT/WO US9502557)
Priority Application: US 94205494 19940304

Designated States: AU CA FI JP MX AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

Main International Patent Class: G06F-017/60 ;

Publication Language: English

Fulltext Availability:

Detailed Description
Claims

Fulltext Word Count: 9652

English Abstract

A computer-based Executive Information System (202) for determining the impact of weather and other external and internal factors on the retail industry. Utilizing a multiple regression correlation technique in a predictive model, a correlation of weather variables with store information for specific locations and times is performed to quantify a weather impact model in terms of unit or dollar sales volume change, or any other commercially useful benchmark (704). The Executive Information System determines these relationships with location and time specificity. Using the relationship between historical weather and historical sales, the system "deweatherizes" the historical weather to create a normalized historical sales relative to weather based on the 30 years average normal weather (720). The deweatherized data may be used in conjunction with a

user-provided managerial plan to produce a revised managerial plan (207). Alternatively, the revised plan can be "weatherized" by the system by applying forecasted weather to the weather impact model to generate a weather-modified managerial plan (204).

French Abstract

Un systeme informatise d'aide a la decision permet de determiner l'incidence de la meteorologie et d'autres facteurs internes ou externes sur le commerce de detail. En utilisant dans un modele previsionnel une technique de correlation a regressions multiples, on obtient une correlation des variables meteorologiques avec des informations d'entreposage concernant des lieux et dates precis, ce qui permet de traduire un modele d'incidence meteorologique envariations du volume unitaire ou monetaire des ventes ou en tout autre critere (704) utile en matiere commerciale. Ce systeme d'aide a la decision determine de telles relations en fonction des lieux et des dates. En utilisant une relation entre les historiques de la meteorologie et des ventes, ce systeme detache celui de la meteorologie des caprices meteorologiques pour creer un historique des ventes normalise par rapport a la meteorologie, en fonction des normales (720) meteorologiques moyennes etablies sur 30 ans. Ces donnees "demeteorologisees" peuvent s'utiliser en conjonction avec un plan de gestion propre a l'utilisateur pour donner un plan (207) de gestion revise. Ce plan revise peut aussi etre "meteorologise" par le systeme par l'application de conditions meteorologiques prevues au modele d'incidence meteorologique, ce qui donne un plan (204) de gestion modifie en fonction de la meteorologie.

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

Claims

Claim

... scanning and 3 data gathering devices.

1 8. The system of claim 5, wherein said **point of sale** data includes 2 product data, POS receipt data, **promotional** data, makdown data.

1 9. The system of claim 1, wherein the system is resident within a 2 computer-based **MIS** architecture.

1 10. The system of claim 9, wherein said **MIS** architecture includes 2 a data storage and retrieval facility configured to store said external 3

...

6/5,K/18 (Item 15 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00391776

SHELF TALKER MANAGEMENT SYSTEM

SYSTEME DE GESTION DES AFFICHETTES DE GONDOLE

Patent Applicant/Assignee:

ELECTRONIC RETAILING SYSTEMS INTERNATIONAL INC

Inventor(s):

FAILING Bruce F Jr

VENABLE Robert J

SANDGREN Jeffrey T

FERNANDEZ Anthony P

Patent and Priority Information (Country, Number, Date):

Patent: WO 9523382 A1 19950831

Application: WO 95US2266 19950223 (PCT/WO US9502266)

Priority Application: US 94201470 19940224

Designated States: AU CA JP MX AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT

SE
Main International Patent Class: G06F-017/60 ;
Publication Language: English
Fulltext Availability:
 Detailed Description
 Claims
Fulltext Word Count: 8248

English Abstract

A system has a central store computer and a multiplicity of electronic shelf labels (ESLs). Each label has a means to detect the presence of an ESL-mounted shelf talker. The system automatically audits the store for the proper set of installed shelf talkers. The detection means is an optical port, a pressure sensor such as a button, or a capacitive sensor. The sensor will detect the presence of the shelf talker as well as the absence of the shelf talker. The talker may snap into a recessed optical port, the recessed port serving as a mounting mechanism as well, thus ensuring a more reliable indication that the shelf talker is installed. The sensor may be a capacitive sensor, detecting the presence of a metallized region on the shelf talker. An audit is performed by the connected host computer, which maintains a database of all products with ESLs, and specifically includes data as to which ESLs (products) are on which promotional event, the starting and end dates, and the actual (current) status of whether a shelf talker is installed. When a new promotion is to be released to the POS system, the system generates a first report, geographically ordered from the location information measured and stored by the system, instructing the employee of the ESLs requiring a shelf talker to be affixed, and providing the most efficient (economical) order in which to accomplish the task. The system monitors the installation of the shelf talkers by querying the ESLs in the expected installation sequence in a special mini-bed-check audit, or simply collects the data during the next several regular bed-check loops. A second report is generated, either automatically or upon completion of the installation process. This second report will check all ESLs which required the shelf talker to be installed for presence of the shelf talker, and the report will list the exceptions, i.e., the ESLs which are missing shelf talkers. A third report is generated as a complete audit of the store, checking all ESLs (not just those associated in a recent batch) to determine whether any shelf talkers are missing, or whether any shelf talkers are installed where they do not belong.

French Abstract

Le systeme selon l'invention comporte un ordinateur de magasin et une multitude d'etiquettes d'etageres electroniques (EEE). Chaque etiquette a le moyen de detecter la presence d'une affichette de gondole montee sur une etiquette EEE. Le systeme verifie automatiquement dans le magasin si l'on a installe la bonne serie d'affichettes de gondole. Le moyen de detection est une borne optique, un capteur de pression (un bouton, par exemple), ou un capteur capacitif. Le capteur detectera la presence ou l'absence de l'affichette de gondole. L'affichette peut s'introduire dans une borne optique en retrait, celle-ci servant aussi de mecanisme de montage, ce qui permet d'indiquer de facon plus fiable que l'affichette de gondole est installee. Le capteur peut etre un capteur capacitif, qui detecte la presence d'une region metallisee sur l'affichette de gondole. Un controle est effectue par l'ordinateur central, qui tient une base de donnees de tous les produits dotes d'une etiquette EEE, certaines precisant en particulier quels sont les (produits) EEE inclus dans quelle action de promotion, les dates de debut et de fin de promotion, et si une affichette de gondole est installee. Lorsqu'une nouvelle promotion doit etre communiquee a un reseau de points de vente, le systeme genere un premier rapport, geographiquement ordonne a partir de l'endroit ou l'information est mesuree et stockee par le systeme, donnant pour

consigne a l'employe de fixer une affichette aux produits EEE qui en ont besoin, avec indication de l'ordre le plus rentable (economique) dans lequel cette tache doit etre accomplie. Le systeme controle l'installation des affichettes en consultant les EEE dans l'ordre prevu de leur installation dans le cadre d'un mini-controle improvisé, ou simplement recueille des donnees au cours de controles improvisés tournants periodiques. Un deuxième rapport est genere, soit automatiquement soit a l'achevement du processus d'installation. Ce second rapport controlera tous les produits EEE necessitant une affichette de gondole pour voir si l'affichette est en place, et le rapport enumera les exceptions, c'est a dire les produits EEE auxquels manque ladite affichette. Un troisième rapport est genere sous forme de controle complet du magasin, verifiant tous les produits EEE (non seulement ceux qui ne sont associes a un lot que depuis peu) pour determiner si des affichettes de gondole manquent, ou si des affichettes ont ete installees la ou elles ne devraient pas.

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

Detailed Description

Detailed Description

... embodiment, the electronic price display (ESL) system processes a batch of data from the store **point -of-sale (POS)** system and identifies items which require bibs to be printed and items requiring bibs be removed.

The ESL system **software** groups batches so that a store employee can print bibs on an integrated laser printer in sequence by aisle. The ESL system **software** queues price changes for items going on **promotion**. A store employee proceeds to the aisle to implement price changes concurrently with bib hanging...

6/5,K/19 (Item 16 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00243630

SHOPPING CART DISPLAY SYSTEM

SYSTEME D'AFFICHAGE SUR ECRAN POUR CHARIOT A PROVISIONS

Patent Applicant/Assignee:

INFORMATION RESOURCES INC

MALEC John

MOSER Joseph Paul

Inventor(s):

MALEC John

MOSER Joseph Paul

Patent and Priority Information (Country, Number, Date):

Patent: WO 8902628 A1 19890323

Application: WO 88US3259 19880921 (PCT/WO US8803259)

Priority Application: US 8799288 19870921

Designated States: AT AU BE BR CH DE DK FI FR GB IT JP LU NL NO SE US

Main International Patent Class: G06F-007/04 ;

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 21674

English Abstract

A shopping cart display system is provided to present product

advertisements to consumers who do not have this information. This shopping cart display system includes a cart mounted display (514) that is responsive to unique trigger signals (504) provided by respective transmitters (1317) associated with respective fixed locations. When the display receives a unique trigger signal, it displays advertising associated with the respective location. In one embodiment, the display includes a sensor determining whether the information is displayed in the presence of a customer, and a memory for storing all trigger signals received during a given shopping trip. The stored data are transmitted to a polling transceiver located at a point of sale register to later analysis. Provision is made for the customer to request and receive information, such as deli numbers.

French Abstract

Système d'affichage sur écran pour chariot à provisions permettant de présenter des annonces publicitaires de produits à des consommateurs ne disposant pas de ces informations. Ce système d'affichage sur écran pour chariot à provisions comprend un écran (514) monté sur le chariot, réagissant à des signaux de déclenchement uniques (504) émis par des émetteurs respectifs (1317) associés à des emplacements fixes. Lorsque l'écran reçoit un signal de déclenchement unique, il affiche l'annonce publicitaire associée à l'emplacement respectif. Dans un mode de réalisation, l'écran comporte un détecteur déterminant si l'information est affichée en présence d'un client, et une mémoire destinée à stocker tous les signaux de déclenchement reçus pendant un voyage d'achats. Les données stockées sont transmises à un émetteur-récepteur de sondage situé à un registre de point de vente, pour être analysées ultérieurement. On a prévu de permettre au client de demander et de recevoir des informations, telles que les numérotations de produits fins.

Main International Patent Class: G06F-007/04 ;

Fulltext Availability:

Detailed Description

Detailed Description

... a dog, or target different advertisements to this cart based on the demographic information, or **award** loyal shopper **points** if the customer purchases certain manufacturers products.

DESCRIPTION OF SHOPPING-CART-BASED SOFTWARE PROGRAM

The Shopping Cart Display (SCD) **software** program consists of foreground and background tasks. The foreground tasks consists of initialization, idle loop...

6/5,K/20 (Item 17 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00218398

PAPERLESS SYSTEM FOR DISTRIBUTING, REDEEMING AND CLEARING MERCHANDISE COUPONS

SYSTEME SANS PAPIER DE DISTRIBUTION, REMBOURSEMENT ET ANNULATION DE BONS DE REDUCTION SUR DES MARCHANDISES

Patent Applicant/Assignee:

NICHTBERGER Steven

Inventor(s):

NICHTBERGER Steven

McGLYNN Kevin

SNOOK Corey

Patent and Priority Information (Country, Number, Date):

Patent: WO 8603310 A1 19860605

Application: WO 85US2151 19851030 (PCT/WO US8502151)
Priority Application: US 84674847 19841126
Designated States: AT AU BE BR CH DE DK FR GB IT JP LU NL SE
Main International Patent Class: G06F-007/04 ;
International Patent Class: G06F-015/21 ; G06K-019/00; G07F-007/00;
G07F-007/08;
Publication Language: English
Fulltext Availability:
 Detailed Description
 Claims
Fulltext Word Count: 17348

English Abstract

Cents-off merchandise coupons are distributed and redeemed immediately and electronically. An electronic display of coupons (20) valid for use in a particular store is presented to customers in that store. When a customer makes a selection of coupons (58) from the display, the selection is recorded (62). The customer is subsequently identified (72) at a store checkout station as the one who made the selection. In a preferred embodiment, the identification is made by scanning a special card adapted for use with the system. The items purchased in the store by the customer are recorded (74), any matches between the coupons selected and the items purchased are determined electronically (64). The customer is immediately credited (76) in accordance with the terms of the matched coupons. Redeemed coupons are periodically cleared electronically (80, 82).

French Abstract

Des bons de reduction sur des marchandises sont distribués et remboursés immédiatement et électroniquement. Un affichage électronique de bons (20) valables dans un magasin donne est présenté à la clientèle de ce magasin. Lorsqu'un client choisit des bons (58) sur cet affichage, le choix est enregistré (62). Le client est ensuite identifié (72) à une caisse de sortie du magasin comme étant celui qui a effectué le choix précis. Dans un mode préférentiel de réalisation, l'identification s'effectue par lecture d'une carte spéciale conçue pour être utilisée avec le système. Les articles achetés dans le magasin par le client sont enregistrés (74), toutes correspondances entre les bons choisis et les articles achetés étant déterminées électroniquement (64). Le client est immédiatement crédité (76) conformément aux conditions indiquées sur les bons correspondant aux articles. Les bons remboursés sont périodiquement effacés électroniquement (80, 82).

Main International Patent Class: G06F-007/04 ;
International Patent Class: G06F-015/21 ; G06K-019/00; G07F-007/00;
G07F-007/08;

Fulltext Availability:
 Detailed Description

Detailed Description

... graphic formats for coupons which will be maintained by each CDR unit 20. At that point, only the unique portions of each coupon will require digitization and transmission.

Special **software** to control the random distribution of special coupons is provided. For **promotional** reasons, their redemption may be handled manually.

The central processor 16 performs the following tasks...

?

?t10/3,k/all

10/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:European Patents
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01110911

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

System and method of managing competitive price information

System und Verfahren zum Verwalten von konkurrenzierender Preisinformation

Systeme et methode pour la gestion d'informations de prix competitifs

PATENT ASSIGNEE:

NCR INTERNATIONAL INC., (1449480), 1700 South Patterson Boulevard,
Dayton, Ohio 45479, (US), (Applicant designated States: all)

INVENTOR:

Goodwin 111, John Coker, 2306 Westfork Court, Suwanee, Georgia 30024,
(US)

LEGAL REPRESENTATIVE:

Clearay, Fidelma et al (85871), International IP Department NCR Limited
206 Marylebone Road, London NW1 6LY, (GB)

PATENT (CC, No, Kind, Date): EP 973112 A2 000119 (Basic)

APPLICATION (CC, No, Date): EP 99305341 990706;

PRIORITY (CC, No, Date): US 115822 980715

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT WORD COUNT: 165

NOTE:

Figure number on first page: 1

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200003	739
SPEC A	(English)	200003	2682
Total word count - document A			3421
Total word count - document B			0
Total word count - documents A + B			3421

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

INTERNATIONAL PATENT CLASS: G06F-017/60

...ABSTRACT managing competitive price information adjusts prices which are higher than competitive prices and displays a **promotional** message if prices are lower than competitive prices. The system includes a plurality of electronic...

...SPECIFICATION to electronic price label (EPL) systems and, more specifically, to a system and method of **managing** competitive price information.

Point -of-sale (POS) transaction processing systems typically include a price look-up (PLU) file which...

...aware of what their competitors are charging for similar goods. But price changes and price **promotion** are handled manually. For example, manually placed printed shelf talkers are often used to promote...

...system and method of managing competitive price information which automatically applies necessary price changes and **promotional** messages following collection of the competitive price information.

Accordingly, it is an object of the...

...and method which employ an electronic price label (EPL) system to change prices and display **promotional** messages.

The system of the invention includes a plurality of electronic price labels associated with...data file 44 and competitive price data file 34 and automatically changes prices and displays **promotional** messages as necessary. For example, in transaction establishments which wish to sell at the lowest...

...28 automatically calculates the cost savings and causes EPL control software 30 to display a **promotional** message, such as "compare and save", and the calculated cost savings.

PLU storage medium 36...

...configured automatically to apply price changes and cause EPLs associated with certain items to display **promotional** messages, including flashing and blinking messages. Following execution, competitive pricing control software 28 may purge...new price.

In step 82, competitive pricing control software 28 determines whether to display a **promotional** message. Whether to display a **promotional** message and, if so, which **promotional** message, may be predetermined on an item-by-item, competitor-by-competitor, or global basis...

...be flashed or blinked as well.

If predetermined settings dictate that the EPL display a **promotional** message, competitive pricing control software 28 causes EPL software 30 to send a message to the EPL to display the **promotional** message in step 86.

Operation proceeds to step 88.

If, based upon predetermined settings, competitive pricing control software 28 does not display a **promotional** message, then operation proceeds to step 88.

In step 88, competitive pricing control software 28...

...new price.

In step 126, competitive pricing control software 28 determines whether to display a **promotional** message. If predetermined settings dictate that the EPL display a **promotional** message, competitive pricing control software 28 causes EPL software 30 to send a message to the EPL to display the **promotional** message in step 128. Operation proceeds to step 130.

If, based upon predetermined settings, competitive pricing control software 28 does not display a **promotional** message, then operation proceeds to step 130.

In step 130, competitive pricing control software 28...

...CLAIMS and sending a message to the EPL (22) associated with the item to display a **promotional** message containing the difference amount.

3. The method according to claim 1 for managing competitive...

...and

sending a message to the EPL (22) associated with the item to display a **promotional** message containing the difference amount.

4. The method according to claim 1 for managing competitive...

...and

sending a message to the EPL (22) associated with the item to display a **promotional** message containing the difference amount.

5. An electronic price label system (10) characterised by:

a...

...and sends a message to the EPL (22) associated with the item to display

a promotional message containing the difference amount for each current price which is less than the corresponding...

10/3,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:European Patents

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01030324

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

MOBILE ELECTRONIC COMMERCE SYSTEM

MOBILES ELEKTRONISCHES HANDELSSYSTEM

SYSTEME DE COMMERCE ELECTRONIQUE MOBILE

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD, (216884), 1006, Oaza-Kadoma,
Kadoma-shi, Osaka 571-0000, (JP), (Applicant designated States: all)

INVENTOR:

TAKAYAMA, Hisashi, 21-22, Matsubara 4-chome, Setagaya-ku, Tokyo 156-0043,
(JP)

LEGAL REPRESENTATIVE:

Casalonga, Axel (14511), BUREAU D.A. CASALONGA - JOSSE Morassistrasse 8,
80469 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 950968 A1 991020 (Basic)
WO 9909502 990225

APPLICATION (CC, No, Date): EP 98937807 980813; WO 98JP3608 980813

PRIORITY (CC, No, Date): JP 97230564 970813

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT WORD COUNT: 150

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9942	17239
SPEC A	(English)	9942	160346
Total word count - document A		177585	
Total word count - document B		0	
Total word count - documents A + B		177585	

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION storing value information and stock information for the product; and
fourth storage means for storing **promotion** information for the product or for the service,

wherein a settlement process program module for...the electronic payment card is authentic. The payment card program includes:

electronic payment card state **management** information; and
payment card program data for specifying an operation to be performed by the...installation card and another product are combined, the two can be employed as a lottery **prize**, or can be distributed and sold as a composite product. Further, the distribution costs for...

...illegal alteration has been performed. The internal data are updated so that information that is **frequently** accessed, or comparatively new information is stored on the local storage medium (a RAM or...tickets (ticket examination program) may be updated or an electronic ticket stored in the mobile **user** terminal may be changed, or both the program

and the ticket may be changed.

First...

...CLAIMS storing value information and stock information for said product;
and
fourth storage means for storing **promotion** information for said
product or for said service,

wherein a settlement process program module for...

10/3,K/3 (Item 3 from file: 348)
DIALOG(R) File 348:European Patents
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00833733

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Method of commitment in a distributed database transaction

Bindungsverfahren in einer Transaktion in einer verteilten Datenbank

Methode d'engagement dans une transaction d'une base de donnees distribuee

PATENT ASSIGNEE:

Informix Software, Inc., (2200630), 4100 Bohannon Drive, Menlo Park,
California 94025, (US), (applicant designated states: BE;DE;FR;IE;IT)

INVENTOR:

Bortvedt, Gerald K., 21260 Southwest Baseline Road, Beaverton, Oregon
97006, (US)

Gerber, Robert H., 12015 NW, Dumar 97229, (US)

LEGAL REPRESENTATIVE:

Hall, Robert Leonard et al (31443), Dibb Lupton Alsop Fountain Precinct,
Balm Green, Sheffield S1 1RZ, (GB)

PATENT (CC, No, Kind, Date): EP 772136 A2 970507 (Basic)
EP 772136 A3 971105

APPLICATION (CC, No, Date): EP 96203054 961104;

PRIORITY (CC, No, Date): US 552058 951102

DESIGNATED STATES: BE; DE; FR; IE; IT

INTERNATIONAL PATENT CLASS: G06F-017/00 ; G06F-017/30 ; G06F-009/46 ;

G06F-011/14

ABSTRACT WORD COUNT: 212

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	419
SPEC A	(English)	EPAB97	16973
Total word count - document A			17392
Total word count - document B			0
Total word count - documents A + B			17392

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

INTERNATIONAL PATENT CLASS: G06F-017/00 ...

...G06F-017/30 ...

...G06F-009/46 ...

...G06F-011/14

...SPECIFICATION 540, running on coserver 102g for example, to handle IC
location changes and backup IC **promotion**. Requests to configuration
manager 540 to change the location of IC 110 come only from...

...a reserved backup IC as being IC 110 or the active backup IC. The

configuration **manager** provides a single **point** of decision regarding both the **promotion** of a reserve backup IC to being the active backup IC and the previously described **promotion** of an active backup IC to become 110. This interaction with the configuration manager is...

10/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:European Patents
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00680832

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

Card processor providing combined processing functions

Einrichtung zur kombinierten Verarbeitung von Kartenfunktionen

Dispositif pour le traitement combine des fonctions d'une carte

PATENT ASSIGNEE:

FUJITSU LIMITED, (211460), 1015, Kamikodanaka Nakahara-ku, Kawasaki-shi
Kanagawa 211, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

MORI, Seiji, c/o Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,
Kawasaki-shi, Kanagawa 211, (JP)

HASEBA, Asako, c/o Fujitsu Limited, 1015, Kamikodanaka, Nakahara-ku,
Kawasaki-shi, Kanagawa 211, (JP)

LEGAL REPRESENTATIVE:

Joly, Jean-Jacques et al (39741), Cabinet Beau de Lomenie 158, rue de
l'Universite, F-75340 Paris Cedex 07, (FR)

PATENT (CC, No, Kind, Date): EP 668581 A1 950823 (Basic)
EP 668581 A1 960313
WO 9502871 950126

APPLICATION (CC, No, Date): EP 94921103 940715; WO 94JP1167 940715

PRIORITY (CC, No, Date): JP 93176918 930716

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07G-001/12; G06F-017/60 ; G07F-007/02

ABSTRACT WORD COUNT: 143

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	910
SPEC A	(English)	EPAB95	8651
Total word count - document A			9561
Total word count - document B			0
Total word count - documents A + B			9561

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

...INTERNATIONAL PATENT CLASS: G06F-017/60

...SPECIFICATION service.

When the number of points stored in the card or the accumulated number of **points managed** by a host computer in the shopping center has reached a predetermined value, the card...

...sum or goods corresponding to the recovered value is given to the customer as a **bonus** present.

According to a conventional method in which a full-point receipt (exchange ticket for...point data in the card 10 are updated (step S30). Sometimes, the updating of the **point** data is **managed** by the host computer.

The interlocked processings for issuing the points are thus ended. Then ...the call to a host computer in the corresponding bank. There exist three methods for **point management**. In the first method, point data are not stored on a card and only a host computer **manages** the **point**

data. In the second method, point data are stored on the card and card and a host computer **manages** point data (the card has a priority). In the third method, only card **manages** point data. When the data is managed by the card, information from the host unit is...

10/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:European Patents
(c) 2000 European Patent Office. All rts. reserv.

00481388

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
Maintaining data consistency in cache storage systems.

Aufrechterhaltung der Datenubereinstimmung in Cache-Speicheranordnungen.
Maintien de la coherence des donnees dans des systemes d'antememoires.

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,
Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Baird, Robert, 5849 Pilar Court, San Jose, CA 95120, (US)

Bozman, Gerald Parks, 609 Ramapo Valley Road, Oakland, New Jersey 07436,
(US)

Lett, Alexander Stafford, 402 MacGregor Drive, Mahopac, New York 10541,
(US)

Myers, James Joseph, 950 Columbus Avenue no.6, San Francisco, CA 94133,
(US)

Tetzlaff, William Harold, 37 Fox Den Road, Mount Kisco, New York 10549,
(US)

LEGAL REPRESENTATIVE:

Killgren, Neil Arthur (32601), IBM United Kingdom Limited Intellectual
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 447160 A2 910918 (Basic)
EP 447160 A3 920819

APPLICATION (CC, No, Date): EP 91302024 910311;

PRIORITY (CC, No, Date): US 493581 900314

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-012/08

ABSTRACT WORD COUNT: 118

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	491
SPEC A	(English)	EPABF1	4015
Total word count - document A			4506
Total word count - document B			0
Total word count - documents A + B			4506

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
INTERNATIONAL PATENT CLASS: G06F-012/08

...SPECIFICATION Access to the directory maintained by cache manager 17
would reveal its absence. At this point , cache manager 17 would seek
a share lock from the global lock manager. Upon the grant of...

...local cache 17 (cache invalidation) and releases its share lock on that
page. At this point , the lock manager now grants an exclusive lock on
page A to cache manager 19 of processor 2...7.

The process starts with the assumption that cache 19 of processor 2
first requested promotion of its lock from shared to exclusive from the
lock manager. (Note, a conflict message...

10/3,K/6 (Item 6 from file: 348)
DIALOG(R) File 348:European Patents
(c) 2000 European Patent Office. All rts. reserv.

00306062

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
Digital data processing system.

Digitales Datenverarbeitungssystem.

Système du traitement de données numériques.

PATENT ASSIGNEE:

DATA GENERAL CORPORATION, (410940), Route 9, Westboro Massachusetts 01581
, (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

Bratt, Richard Glenn, 9 Brook Trail Road, Wayland Massachusetts 01778,
(US)

Clancy, Gerald F., 13069 Jaccaranda Center, Saratoga California 95070,
(US)

Gavrin, Edward S., Beaver Pond Road RFD 4, Lincoln Massachusetts 01773,
(US)

Gruner, Ronald Hans, 112 Dublin Wood Drive, Cary North Carolina 27514,
(US)

Mundie, Craig James, 136 Castlewood Drive, Cary North Carolina, (US)

Schleimer, Stephen I., 1208 Ellen Place, Chapel Hill North Carolina 27514
, (US)

Wallach, Steven J., 12436 Green Meadow Lane, Saratoga California 95070,
(US)

LEGAL REPRESENTATIVE:

Robson, Aidan John et al (69471), Reddie & Grose 16 Theobalds Road,
London WC1X 8PL, (GB)

PATENT (CC, No, Kind, Date): EP 300516 A2 890125 (Basic)
EP 300516 A3 890426
EP 300516 B1 931124

APPLICATION (CC, No, Date): EP 88200921 820521;

PRIORITY (CC, No, Date): US 266413 810522; US 266539 810522; US 266521
810522; US 266415 810522; US 266409 810522; US 266424 810522; US 266421
810522; US 266404 810522; US 266414 810522; US 266532 810522; US 266403
810522; US 266408 810522; US 266401 810522; US 266524 810522

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 67556 (EP 823025960)

INTERNATIONAL PATENT CLASS: G06F-009/46 ; G06F-012/14

ABSTRACT WORD COUNT: 122

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS	B (English)	EPBBF1	1018
CLAIMS	B (German)	EPBBF1	868
CLAIMS	B (French)	EPBBF1	1115
SPEC	B (English)	EPBBF1	154256
Total word count - document A			0
Total word count - document B			157257
Total word count - documents A + B			157257

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
INTERNATIONAL PATENT CLASS: G06F-009/46 ...

...G06F-012/14

...SPECIFICATION state of a program's execution, the program's physical
execution can be stopped and **resumed** at any point. It is thus possible

to control program execution by means of the...fault monitoring and identification. In addition, as described further below, microinstructions may be loaded into JP 10114's microcode circuitry at system start up or as required.

Having described the general...

10/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:European Patents
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00257476

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
Multiprocessor interrupt rerouting mechanism.

Multiprozessor-Unterbrechungsumleitungsmechanismus.

Mecanisme de detournement d'interruptions pour multiprocesseur.

PATENT ASSIGNEE:

Bull HN Information Systems Inc., (405375), Corporation Trust Center 1209
Orange Street, Wilmington Delaware, (US), (applicant designated states:
DE;FR;GB;IT)

INVENTOR:

Yu, Kin C., 32 Westwood Street, Burlington Massachusetts 01803, (US)
Hirtle, Alien C., 27 Hartwell Avenue, Littleton Massachusetts 01460, (US)

LEGAL REPRESENTATIVE:

Frohwitter, Bernhard, Dipl.-Ing. et al (150672), Patent- und
Rechtsanwalte, Bardehle . Pagenberg . Dost . Altenburg . Frohwitter .
Geissler & Partner, Postfach 86 06 20, D-81633 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 257348 A2 880302 (Basic)
EP 257348 A3 900207
EP 257348 B1 931201

APPLICATION (CC, No, Date): EP 87111121 870731;

PRIORITY (CC, No, Date): US 900649 860826

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G06F-015/16'; G06F-009/46

ABSTRACT WORD COUNT: 135

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1206
CLAIMS B	(German)	EPBBF1	916
CLAIMS B	(French)	EPBBF1	1182
SPEC B	(English)	EPBBF1	14594
Total word count - document A			0
Total word count - document B			17898
Total word count - documents A + B			17898

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
INTERNATIONAL PATENT CLASS: G06F-015/16 ...

...G06F-009/46

...SPECIFICATION arbitrator chip 509 determines which one of several requests has the highest priority, and then awards the bus to that adapter having the highest priority. It would also send a signal...

...to the adapters under its control via transceiver 406b. Accordingly this type of isolation via transceivers 520b, 520bc, and selection via transceiver 406b, permits the LAN to be programmed by the...Service Call SM
- Systems Management (Software)
SMDSI
SSAP
- Systems Management Data Service Interface
- Source Service Accesss Point

TBD	- To Be Defined
TC	- Trunk Coupler
T&V	- Test and Verification
WS	- Work...

10/3,K/8 (Item 8 from file: 348)

DIALOG(R) File 348:European Patents
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00257230

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

A controller for controlling multiple LAN types.

Steuerung fur lokale Netzwerke unterschiedlicher Art.

Dispositif de commande pour commander plusieurs types de reseaux locaux.

PATENT ASSIGNEE:

Bull HN Information Systems Inc., (405375), Corporation Trust Center 1209
Orange Street, Wilmington Delaware, (US), (applicant designated states:
BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)

INVENTOR:

Conway, John W., 85 Shefield Road, Waltham Massachusetts 02154, (US)
Farrell, Robert J., 6 Jackson Lane, Wakefield Massachusetts 01880, (US)
Hirtle, Allen C., 27 Hartwell Avenue, Littleton Massachusetts 01460, (US)
Niessen, Leonard E., 286 Potter Road, Framingham Massachusetts 01701,
(US)

LEGAL REPRESENTATIVE:

Frohwitter, Bernhard, Dipl.-Ing. et al (150673), Patent- und
Rechtsanwalte, Bardehle-Pagenberg-Dost-Altenburg-Frohwitter-Geissler &
Partner, Galileiplatz 1, D-81679 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 255096 A2 880203 (Basic)

EP 255096 A3 900228

EP 255096 B1 931222

APPLICATION (CC, No, Date): EP 87110870 870727;

PRIORITY (CC, No, Date): US 891511 860728

DESIGNATED STATES: BE; CH; DE; ES; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: G06F-013/38 ; G06F-015/16

ABSTRACT WORD COUNT: 52

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	688
CLAIMS B	(German)	EPBBF1	311
CLAIMS B	(French)	EPBBF1	323
SPEC B	(English)	EPBBF1	12699
Total word count - document A			0
Total word count - document B			14021
Total word count - documents A + B			14021

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348

INTERNATIONAL PATENT CLASS: G06F-013/38 ...

...G06F-015/16

...SPECIFICATION arbitrator chip 509 determines which one of several requests has the highest priority, and then **awards** the bus to that adapter having the highest priority. It would also send a signal...

...is complete, the next-highest priority adapter may start its cycle.

Data transfers may also **take** place to or from the adapters by utilizing enable signals from transceiver 406b. Under this...Source Address/Station Address

SC - Status Complete/Service Call
SM - Systems Management (Software)
SMDSI - Systems Management Data Service Interface
SSAP - Source Service Accesss Point
TBD - To Be Defined
TC - Trunk Coupler
T...
.

10/3,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:European Patents
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00257225
ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
Multi-CPU interlock.

Gegenseitige Verriegelung zwischen mehreren zentralen Verarbeitungseinheiten.

Entrelacement entre plusieurs unites centrales de traitement.

PATENT ASSIGNEE:

Bull HN Information Systems Inc., (405375), Corporation Trust Center 1209
Orange Street, Wilmington Delaware, (US), (applicant designated states:
DE;ES;FR;GB)

INVENTOR:

Collins, Richard M., 34 Heritage Road, Billerica Massachusetts 01821,
(US)

Beauchemin, Edward, 49 Sheridan Road, Marlboro Massachusetts 01752, (US)

LEGAL REPRESENTATIVE:

Frohwitter, Bernhard, Dipl.-Ing. et al (150673), Patent- und
Rechtsanwalte, Bardehle-Pagenberg-Dost-Altenburg-Frohwitter-Geissler &
Partner, Galileiplatz 1, D-81679 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 255091 A2 880203 (Basic)
EP 255091 A3 900207
EP 255091 B1 931222

APPLICATION (CC, No, Date): EP 87110865 870727;

PRIORITY (CC, No, Date): US 891090 860728

DESIGNATED STATES: DE; ES; FR; GB

INTERNATIONAL PATENT CLASS: G06F-015/16

ABSTRACT WORD COUNT: 112

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	379
CLAIMS B	(German)	EPBBF1	318
CLAIMS B	(French)	EPBBF1	370
SPEC B	(English)	EPBBF1	12777
Total word count - document A			0
Total word count - document B			13844
Total word count - documents A + B			13844

ORDER fax of complete patent from Dialog SourceOne. See HELP ORDER 348
INTERNATIONAL PATENT CLASS: G06F-015/16

...SPECIFICATION arbitrator chip 509 determines which one of several
requests has the highest priority, and then awards the bus to that
adapter having the highest priority. It would also send a signal...

...its control via transceiver 406b. Accordingly this type of isolation via
transceivers 520b, 520bc, and selection via transceiver 406b, permits
the LAN to be programmed by the (mu)/p 401 to...Call
SM - Systems Management (Software)

SMDSI	- Systems Management Data Service Interface
SSAP	- Source Service Access Point
TBD	- To Be Defined
TC	- Trunk Coupler
T&V	- Test and Verification
WS	- Work Station ...

10/3,K/10 (Item 1 from file: 349)
DIALOG(R) File 349:PCT Fulltext
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00729632

METHOD FOR PROVIDING A REVERSE STAR SCHEMA DATA MODEL
PROCEDE PERMETTANT DE REALISER UN MODELE DE DONNEES POUR SCHEMA EN ETOILE
INVERSEE

Patent Applicant/Assignee:

METAEDGE CORPORATION, Suite 245, 2620 Augustine Drive, Santa Clara, CA
95054, US, US (Residence), US (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

CHEN Li-Wen, 7725 Oak Meadow Court, Cupertino, CA 95014, US,
US (Residence), -- (Nationality), (Designated only for: US)
ORTIZ Juan J, 25200 Carlos Bee Boulevard, #356, Hayward, CA 94542, US,
US (Residence), MX (Nationality), (Designated only for: US)

Legal Representative:

DURDIK Paul A, Townsend and Townsend and Crew LLP, 8th floor, Two
Embarcadero Center, San Francisco, CA 94111, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200042532 A1 20000720 (WO 0042532)
Application: WO 2000US906 20000113 (PCT/WO US0000906)
Priority Application: US 99116086 19990115; US 99306677 19990506; US
99306650 19990506; US 99306693 19990506

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 9639

Main International Patent Class: G06F-017/30

Fulltext Availability:

Detailed Description

Detailed Description

... period, a customer may go through a sequence of events such as:
subscription > billing > payment > promotion > price plan change >
service call > cancellation. Each event can involve a plurality of
different business...period, a customer may go through a sequence of
events such as: subscription > billing > payment > promotion > price
plan change > service call > cancellation. Each event can involve a
plurality of different business...return transactions entity 234, a
service events entity 236, a sales activities entity 240, a promotions
entity 242 and a user defined events 238. ...multiple processes, aspects
and the like within the enterprise in order to provide different view
points to enterprise managers .

In many embodiments, the multi-dimensional model is mapped to a particular relational data model...

10/3,K/11 (Item 2 from file: 349)

DIALOG(R)File 349:PCT Fulltext
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00720352

CLIENT SERVER SYSTEM WITH THIN CLIENT ARCHITECTURE
SYSTEME CLIENT-SERVEUR A ARCHITECTURE DE CLIENTINIMALE

Patent Applicant/Assignee:

SIEBEL SYSTEMS INC, SIEBEL SYSTEMS, INC. , 1855 South Grant Street, San Mateo, CA 94402 , US

Inventor(s):

AMBROSE Jesse, AMBROSE, Jesse , 1542 Via Campo Aureo, San Jose, CA 95120 , US

ARNAIZ Gilberto, ARNAIZ, Gilberto , 529 Shoal Circle, Redwood City, CA 94065 , US

COKER John L, COKER, John, L. , 723 Chateau Drive, Hillsborough, CA 94010 , US

HAHN Samuel, HAHN, Samuel , 12225 Saraglen Drive, Saratoga, CA 95070 , US
KATCHOUR Ernst, KATCHOUR, Ernst , 54 Ruscombe Gardens, Datchet, Slough SL3 9BQ , GB

ROTHWEIN Thomas M, ROTHWEIN, Thomas, M. , 314 Ballymore Circle, San Jose, CA 95136 , US

SCHWARTZ David C, SCHWARTZ, David, C. , 2030 Vallejo, & 701, San Francisco, CA 94123 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0033217 A1 20000608 (WO 200033217)

Application: WO 99US28414 19991130 (PCT/WO US9928414)

Priority Application: US 98110191 19981130

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 19130

Main International Patent Class: G06F-017/30 ;

International Patent Class: G06F-007/00 ;

Fulltext Availability:

Detailed Description

Detailed Description

... and prospect bases, target them with an automatically generated Web or email-based communication or **promotion** , and assess the effectiveness and return on investment of the campaign online through a set...Siebel Replication Manager, including the Replication Agent, may be fully integrated with the Siebel Server **Manager** . From a single **point** , the Siebel administrator has a graphical user interface for full monitoring

10/3,K/12 (Item 3 from file: 349)

DIALOG(R)File 349:PCT Fulltext
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00710968

SYSTEM WITH WIDE OPERAND ARCHITECTURE, AND METHOD

SYSTEME A ARCHITECTURE D'OPERANDE LARGE ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

MICROUNITY SYSTEMS ENGINEERING INC, MICROUNITY SYSTEMS ENGINEERING, INC.
, 475 Potrero Avenue, Sunnyvale, CA 94086-4118 , US
MOSSOURIS John, MOSSOURIS, John , P.O. Box 719, Palo Alto, CA 94303 ,
US

Inventor(s):

HANSEN Craig, HANSEN, Craig , 350 Yerba Santa Avenue, Los Altos, CA 94022
, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0023875 A1 20000427 (WO 200023875)
Application: WO 99US19342 19990824 (PCT/WO US9919342)
Priority Application: US 9897635 19980824; US 98169963 19981013

Designated States: JP AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 123438

Main International Patent Class: G06F-007/38 ;

International Patent Class: G06F-007/48 ; G06F-007/52 ; G06F-007/76 ;

Fulltext Availability:

Detailed Description

Detailed Description

... 7 Functional Unit pamlclism 47 Up-d-ccimpmable M.dificitti . is 7
1,atency * * * * * 48 **Promotion** of Optional Features 7
pipeline 019-- . Ih . . 49 U.-tricred Physical Implementation 8 Classical
Pipeline...ide multiply air. Galois 309 kXr,MLJU/Li,TXlCl, and
).VMUL-/LV1*XJCH, 61 memory **management** organization. 316 This document
is intended for Zeus software and hardware developers alike, and defines
...such additional devices and interfaces must be made as widely
available as this architecture specification.

Promotion Of ODtional Features

It is most strongly recommended that such optional instructions, state or
interfaces...calculations with two general register values and generate a
fixed Fixed-point arithmetic i~3 **point** arithmetic exception if the
conclition specified is met. 00 ~I Omration code ACOMAND.E Address...
B.L.F.16. B. GE.F.16:

81G F. 16 Branch less greater floating-point half size ~ G1 6 B.LG F.32
Branch less greater floating-point single B...

10/3,K/13 (Item 4 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00708085

A GLOBAL VALUE EXCHANGE SYSTEM AND METHOD
SYSTEME ET PROCEDE D'ECHANGE GLOBAL DE VALEURS

Patent Applicant/Assignee:

MASSEY Michele, MASSEY, Michele , 24 Deerwood East, Irvine, CA 92604 , US
TENG Wai Chong, TENG, Wai, Chong , Suite 100, 8 Thomas, Irvine, CA 92618
, US

HOPE Alan, HOPE, Alan , 15621 Saul Court, Santa Clarita, CA 91351 , US

Inventor(s):

MASSEY Michele, MASSEY, Michele , 24 Deerwood East, Irvine, CA 92604 , US
TENG Wai Chong, TENG, Wai, Chong , Suite 100, 8 Thomas, Irvine, CA 92618
, US

HOPE Alan, HOPE, Alan , 15621 Saul Court, Santa Clarita, CA 91351 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0020984 A1 20000413 (WO 200020984)

Application: WO 98US21306 19981008 (PCT/WO US9821306)

Priority Application: WO 98US21306 19981008

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN
GW ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 6888

Main International Patent Class: G06F-015/30 ;

Fulltext Availability:

Detailed Description

Detailed Description

... both within and between trading partners. This one-count processing facilitates increased efficiency of coupon **promotions** while at the same time provides a gift to the cardmember's charity of choice...

...process) through on-line information tools. This invention's database technology provides superior quality of **promotional** processing.

BACKGROUND AND DESCRIPTION OF PRIOR ART

For many years, manufacturers and retailers adopted the advertising and **promotional** strategy of using cents-off coupons. These familiar coupons are distributed to consumers through newspapers...
...unsolved.

Today, manufacturers and retailers are investing resources in information technology. Electronic systems such as, **point** of sale, store **management**, inventory management, merchandising and financial accounting systems provide competitive advantages including lower costs and expediency...charity. It does so by utilizing one-count processing to facilitate increased efficiency of coupon **promotions**. The value exchange company is consumer based and affinity-driven. It facilitates charitable donations by...membership acquisition program. Each encoded card will be electronically linked to participating major manufacturer coupon **promotions**, offers and discounts such as the type that are otherwise generally available in paper form...

...less system for making retail purchases that are subject to the participating manufacturers' special member **promotions** or coupon **promotions**.

When the consumer member presents his or her Global CouponCardTM at participating retail outlets, participating...checks.

The value exchange company will negotiate agreements with product manufacturers who issue advertising and **promotional** coupons for their products, to electronically link those **promotional** coupons to the Global CouponCardTM resulting in a coupon-less or paper-less coupon. Participating...

...maintain customer loyalty, promote consumer goodwill and receive detailed reports. The system provides consumer driven **promotions** without surrendering control, gaining flexibility, and maintaining positive trade relationships. The data captured allows manufacturers...

...new customers, maintains existing customer loyalty and generates reports

of member purchase transactions for targeted **promotions** .

5. Both manufacturers and retailers gain incremental sales revenues, ... to coupon redemption processing. It provides one-count processing and facilitates increased efficiency of coupon **promotions** . Furthermore, it provides timely, accurate, paperless information flow between the manufacturing line and the checkout...

...reports customized relevant data to each entity. The Global CouponCardTM functions as a powerful marketing **promotional** tool. It may function as a coupon card, scrip card, debit card and/or credit...

...processing) through on-line information tools. This invention's database technology provides superior quality of **promotional** processing. The system provides a seamless transfer of funds from and to identified accounts.

With...receive charity information (100), Global CouponCardTM members' profiles of membership-based organizations (110), special manufacturers' **promotional** discount information (120), and the retail point of sale (136) (POS) transactions by Global CouponCardTm...The point of sale (POS) displays the list price (230) and then searches for the **promotional** pricing within a price look-up table. The price look-up table contains within it...280) according to the allocation percentages denominated by the consumer member (205) during the membership **promotion** with the charity.

If it is a scrip transaction (244), the value exchange system consolidates...company (410). The value

exchange company stores the product discount data in the manufacturer's **promotional** file (415). The data is sorted for each destination by store, region, chain or any...Global CouponCardTM member's (consumer) transaction file for each participating member (728), the manufacturer's **promotion** transaction file for each manufacturer (729) and the accounts receivable file for each manufacturer (730...).

10/3,K/14 (Item 5 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2000 WIPO/MicroPat. All rts. reserv.

00692503

UNIVERSAL INTERACTIVE ADVERTISING AND PAYMENT SYSTEM FOR PUBLIC ACCESS
ELECTRONIC COMMERCE AND BUSINESS RELATED PRODUCTS AND SERVICES
SYSTEME DE PAIEMENT ET DE PUBLICITE INTERACTIF UNIVERSEL POUR COMMERCE
ELECTRONIQUE A ACCES PUBLIC, ET SERVICES ET PRODUITS D'AFFAIRES
ASSOCIES

Patent Applicant/Assignee:

USA TECHNOLOGIES INC, USA TECHNOLOGIES, INC., 200 Plant Avenue, Wayne, PA
19087-3520, US

Inventor(s):

KOLLS H Brock, KOLLS, H., Brock, 52 Norwood House, Downingtown, PA 19335,
US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0005670 A1 20000203 (WO 200005670)

Application: WO 99US8577 19990419 (PCT/WO US9908577)

Priority Application: US 9893475 19980720; US 99293358 19990416

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG

CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Filing Language: English
Fulltext Word Count: 23238

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

 Detailed Description
 Claims

Detailed Description

... be readily available.

Brand standard or loyalty programs ("loyalty programs") that offer a customer a **promotional** reward, discount or other incentive for repeated use of a business center or repeated visits burden. For example, in many retail outlets the store is **managed** from a **point** of sale terminal ("POS") system. A business center that can not be integrated into the... it may be determined that the customer qualifies for special pricing, or has earned a **promotional** reward. The DII process step could substitute or append a second form of ID, such...

...a database record number to the transaction record. The database record number could record the **promotional** reward status and further request a second DII processing step. This second DII processing step...

...data record, information could be mailed or the customer otherwise contacted with regards to the **promotional** reward. At the same time the DII processing is occurring, a service request can be...

Claim

... was successful.

56. A method of servicing a request from a universal server, a property **management** system, a **point** of sale system, a management information system, a personal computer, and or a user by...

10/3,K/15 (Item 6 from file: 349)

DIALOG(R)File 349:PCT Fulltext
(c) 2000 WIPO/MicroPat. All rts. reserv.

00691555

A PHONE HAVING ACCESS TO THE INTERNET FOR THE PURPOSES OF TRANSACTING E-MAIL, E-COMMERCE, AND E-BUSINESS, AND FOR COMMUNICATING VOICE AND DATA

TELEPHONE AVEC ACCES A INTERNET DESTINE A DES TRANSACTIONS PAR COURRIER ELECTRONIQUE, COMMERCE ELECTRONIQUE ET AFFAIRES ELECTRONIQUES ET A LA COMMUNICATION DE SONS VOCaux ET DE DONNEES

Patent Applicant/Assignee:

USA TECHNOLOGIES INC, USA TECHNOLOGIES, INC. , 200 Plant Avenue, Wayne, PA 19087 , US

Inventor(s):

KOLLS H Brock, KOLLS, H., Brock , 52 Norwood House Road, Downingtown, PA 19335 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0004476 A1 20000127 (WO 200004476)

Application: WO 99US15937 19990714 (PCT/WO US9915937)

Priority Application: US 9893475 19980720; US 99293358 19990416; US 99293129 19990416; US 99335327 19990617

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TT

UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English
Filing Language: English
Fulltext Word Count: 22923

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

 Detailed Description
 Claims

Detailed Description

... it may be determined that the customer qualifies for special pricing, or has earned a **promotional** reward. The DII process step could substitute or append a second form of ID, such...

...a database record number to the transaction record. The database record number could record the **promotional** reward status and further request a second DII processing step. This second DII processing step...

...data record, information could be mailed or the customer otherwise contacted with regards to the **promotional** reward. At the same time the DII processing is occurring, a service request can be...

Claim

... further processing.

60. A method of servicing a request from a universal server, a property **management** system, a **point** of sale system, a management information system, a personal computer, and or a user by...

10/3,K/16 (Item 7 from file: 349)

DIALOG(R)File 349:PCT Fulltext
(c) 2000 WIPO/MicroPat. All rts. reserv.

00683473

METHOD OF LINKING DEVICES TO GAMING MACHINES

PROCEDE POUR RELIER DES APPAREILS A DES MACHINES DE JEU

Patent Applicant/Assignee:

ARISTOCRAT LEISURE INDUSTRIES PTY LTD, ARISTOCRAT LEISURE INDUSTRIES PTY. LTD. , 71 Longueville Road, Lane Cove, NSW 2066 , AU

Inventor(s):

BOND Anthony Wayne, BOND, Anthony, Wayne , 277 Adorno Drive, Henderson, NV 89014 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9966413 A1 19991223

Application: WO 99AU500 19990618 (PCT/WO AU9900500)

Priority Application: US 9889785 19980618

Designated States: AU JP NZ US ZA AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 11657

Main International Patent Class: G06F-013/10 ;

International Patent Class: G06F-017/60 ; G06F-161/00 ; A63F-009/24;

Fulltext Availability:

 Detailed Description

Detailed Description

... Repository, some examples of drivers in the "Game Interface" would be: buttons, reel motor controller, **bonus** token hoppers, meters, progressive, display, tower, bell and secondary game features. Unknown Repositories are Repositories...in error and then allow the operation to override the tilt to continue. At this **point**, resource **manager** control task 70 can do no further error checking on the primary configuration data. The...limited to these, are: pay, collect, multi-player and game interface (such as buttons, reels, **bonus** hoppers., lights, towers, meters, jackpot bells, etc.). To see how the repository control task uses...

10/3,K/17 (Item 8 from file: 349)

DIALOG(R)File 349:PCT Fulltext
(c) 2000 WIPO/MicroPat. All rts. reserv.

00636620

INTEGRATED CUSTOMER INTERFACE FOR WEB BASED COMMUNICATIONS NETWORK MANAGEMENT
INTERFACE CLIENT INTEGREE POUR LA GESTION DE RESEAUX DE COMMUNICATIONS BASES SUR LE WEB

Patent Applicant/Assignee:

BARRY B Reilly, BARRY, B., Reilly , 310 Cliff Falls Court, Colorado Springs, CO 80920 , US

CHODORONEK Mark A, CHODORONEK, Mark, A. , 6508 Trillium House Lane, Centreville, VA 20120 , US

DEROSE Eric, DEROSE, Eric , 3151 Anchorway Court &H, Falls Church, VA 22042 , US

GONZALES Mark N, GONZALES, Mark, N. , 9158 Pristine Court, Manassas, VA 20110 , US

JAMES Angela R, JAMES, Angela, R. , 7004 Florida Street, Chevy Chase, MD 20815 , US

LEVY Lynne, LEVY, Lynne , 2514 Iron Forge Road, Herndon, VA 20171 , US

TUSA Michael, TUSA, Michael , 12 Mulberry Street, Ridgefield, CT 06877 , US

Inventor(s):

BARRY B Reilly, BARRY, B., Reilly , 310 Cliff Falls Court, Colorado Springs, CO 80920 , US

CHODORONEK Mark A, CHODORONEK, Mark, A. , 6508 Trillium House Lane, Centreville, VA 20120 , US

DEROSE Eric, DEROSE, Eric , 3151 Anchorway Court &H, Falls Church, VA 22042 , US

GONZALES Mark N, GONZALES, Mark, N. , 9158 Pristine Court, Manassas, VA 20110 , US

JAMES Angela R, JAMES, Angela, R. , 7004 Florida Street, Chevy Chase, MD 20815 , US

LEVY Lynne, LEVY, Lynne , 2514 Iron Forge Road, Herndon, VA 20171 , US

TUSA Michael, TUSA, Michael , 12 Mulberry Street, Ridgefield, CT 06877 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9919803 A1 19990422

Application: WO 98US20173 19980925 (PCT/WO US9820173)

Priority Application: US 9760655 19970926

Designated States: AU BR CA JP MX SG AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 92070

Main International Patent Class: G06F-013/00 ;

International Patent Class: G06F-017/30 ;

Fulltext Availability:

Detailed Description

Detailed Description

... launched in a new browser window in step 128. If a user selects a marketing **promotion** hypertext in ...customers using the public Internet by directing a web browser 20 running on the call **manager** webstation to point to a call **manager** Uniform Resource Locator (URL).

The call manager webstation 1130 may be any hardware/software platform...

10/3,K/18 (Item 9 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00632801

INTEGRATED BUSINESS SYSTEM FOR WEB BASED TELECOMMUNICATIONS MANAGEMENT
SYSTEME D'ECHANGES COMMERCIAUX INTEGRES POUR LA GESTION DE
TELECOMMUNICATIONS SUR LE WEB

Patent Applicant/Assignee:

BARRY B Reilly, BARRY, B., Reilly , 310 Cliff Falls Court, Colorado Springs, CO 80920 , US

CHODORONEK Mark A, CHODORONEK, Mark, A. , 6508 Trillium House Lane, Centreville, VA 20120 , US

DeROSE Eric, DeROSE, Eric , 3151 Anchorway Court &H, Falls Church, VA 22042 , US

GONZALES Mark N, GONZALES, Mark, N. , 9158 Pristine Court, Manassas, VA 20110 , US

JAMES Angela R, JAMES, Angela, R. , 7004 Florida Street, Chevy Chase, MD 20815 , US

LEVY Lynne, LEVY, Lynne , 2514 Iron Forge Road, Herndon, VA 20171 , US

TUSA Michael, TUSA, Michael , 12 Mulberry Street, Ridgefield, CT 06877 , US

Inventor(s):

BARRY B Reilly, BARRY, B., Reilly , 310 Cliff Falls Court, Colorado Springs, CO 80920 , US

CHODORONEK Mark A, CHODORONEK, Mark, A. , 6508 Trillium House Lane, Centreville, VA 20120 , US

DeROSE Eric, DeROSE, Eric , 3151 Anchorway Court &H, Falls Church, VA 22042 , US

GONZALES Mark N, GONZALES, Mark, N. , 9158 Pristine Court, Manassas, VA 20110 , US

JAMES Angela R, JAMES, Angela, R. , 7004 Florida Street, Chevy Chase, MD 20815 , US

LEVY Lynne, LEVY, Lynne , 2514 Iron Forge Road, Herndon, VA 20171 , US

TUSA Michael, TUSA, Michael , 12 Mulberry Street, Ridgefield, CT 06877 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9915979 A1 19990401

Application: WO 98US20170 19980925 (PCT/WO US9820170)

Priority Application: US 9760655 19970926

Designated States: AU BR CA JP MX SG AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 91547

Main International Patent Class: G06F-013/00 ;

Fulltext Availability:

Detailed Description

Detailed Description

... launched in a new browser window in step 128. If a user selects a

marketing **promotion** hypertext in step 130, URL for new product information will be launched in a new...customers using the public Internet by directing a web browser 20 running on the call **manager** webstation to **point** to a call **manager** Uniform Resource Locator (URL).

45 The call manager webstation 1130 may be any hardware/software...

10/3,K/19 (Item 10 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2000 WIPO/MicroPat. All rts. reserv.

00590248

TRAVEL RESERVATION AND INFORMATION PLANNING SYSTEM
SYSTEME D'INFORMATION ET DE PLANIFICATION POUR LES RESERVATIONS DE VOYAGE
(TRIPS)

Patent Applicant/Assignee:

DELORME PUBLISHING COMPANY INC, DELORME PUBLISHING COMPANY, INC. , Two DeLorme Drive, P.O. Box 298, Yarmouth, ME 04096 , US

Inventor(s):

DELORME David M, DELORME, David, M. , 20 Royall Point, Yarmouth, ME 04096 , US

GRAY Keith A, GRAY, Keith, A. , 44 Essex Drive, Yarmouth, ME 04096 , US
FERGUSON T Angus, FERGUSON, T., Angus , 16 Higgins Street, Portland, ME 04103 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9835311 A1 19980813

Application: WO 98US1823 19980130 (PCT/WO US9801823)

Priority Application: US 97797471 19970206

Designated States: CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 46580

Main International Patent Class: G06F-019/00 ;

Fulltext Availability:

Detailed Description

Detailed Description

... relation to geographical coordinate locations of a selected geographical coordinate system. Thus, the TRIPS database **manager** relates **points** of interest and any other loc/objects; of the database with particular locations on or...site and/or specified parts thereof - as an index or measure of participation and/or **promotional** value. These TRIPS transactional data functions are detailed hereinafter, referring particularly to FIGURES 4 and...revolving animation -- provided on the 'home page' of a TRIPS online/Internet site, as a **promotional** and user education tool -- can include a collection of TRIPS travel information topics, locations, events...ACCESS/OUTPUT algorithms in TRIPS are made in various ways appropriate to the commercial and **promotional** needs and aims of TRIPS online site proprietors or operators.

In other words, as maintained...as: commissions on reservations or ticket sales; charges for advertising or the online posting of **promotional** information and/or special coupon offers about diverse accommodations (e.g. restaurants, transportation, lodgings, entertainment...selectivity but also encourages provider participation in special goods/service offers in TRIPS as a **promotional** tool to attract more clients. By declining to impose such provider-specific filters, the TRIPS...

10/3,K/20 (Item 11 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00564762

SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION

SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION DE DROITS ELECTRONIQUES

Patent Applicant/Assignee:

INTERTRUST TECHNOLOGIES CORP, INTERTRUST TECHNOLOGIES CORP. , 460 Oakmead Parkway, Sunnyvale, CA 94086 , US

Inventor(s):

GINTER Karl L, GINTER, Karl, L. , 10404 43rd Avenue, Beltsville, MD 20705 , US

SHEAR Victor H, SHEAR, Victor, H. , 5203 Battery Lane, Bethesda, MD 20814 , US

SIBERT W Olin, SIBERT, W., Olin , 30 Ingleside Road, Lexington, MA 02173-2522 , US

SPAHN Francis J, SPAHN, Francis, J. , 2410 Edwards Avenue, El Cerrito, CA 94530 , US

VAN WIE David M, VAN WIE, David, M. , 1250 Lakeside Drive, Sunnyvale, CA 94086 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9809209 A1 19980305

Application: WO 97US15243 19970829 (PCT/WO US9715243)

Priority Application: US 96706206 19960830

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 190955

Main International Patent Class: G06F-001/00 ;

Fulltext Availability:

Detailed Description

Detailed Description

... of shrink wrapped software are required to purchase a program at the same price as **frequent users** , even though they may receive much less value from their less frequent use. Traditional systems...of Handling and Control" As explained above, virtual distribution environment 100 can be used to **manage** almost any sort of transaction. One type of important transaction that virtual distribution environment 100...for the rest of ROS 602.

Event processing, as will be discussed later, is primarily **managed** (from the **point** of view of processes outside SPE 503)

-309 by this service. The Authentication Manager/Secure...

...most control structures and event processing logic is associated with component assemblies 690 under the **management** of a Channel Services Manager.

The SPE 503 must be accessed through its associated SPE...or search information related to objects (such as summaries of content, abstracts, reviewers' commentary, schedules, **promotional** materials. etc.), for example. by using INFORMATION methods associated with VDE objects 300.

Object Submittal...568 The SPE (HPE) load module execution manager ("LMEM") 568 loads executables into the memory **managed** by memory **manager** 578 and executes them. LMEM 568 provides mechanisms for tracking load modules that are currently...

10/3,K/21 (Item 12 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00546303

POINT OF SALE PURCHASING VALUE ACCUMULATION SYSTEM
Système POINT­DE­VENTE DE TOTALISATION DE POINTS D'ACHATS

Patent Applicant/Assignee:

PROVIDENT BANCORP INC, PROVIDENT BANCORP, INC., 1 East Fourth Street,
Cincinnati, OH 45202, US

Inventor(s):

KOCH Roland Edward, KOCH, Roland, Edward, 2589 Countrylake Drive,
Cincinnati, OH 45233, US

ENGEL David R, ENGEL, David, R., 4130 Dry Ridge Road, Cincinnati, OH
45247, US

DAVIS Allen Lee, DAVIS, Allen, Lee, 8255 Kroger Farm Road, Cincinnati, OH
45243, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9746961 A1 19971211

Application: WO 97US9085 19970530 (PCT/WO US9709085)

Priority Application: US 96659442 19960606; US 97815691 19970312

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU GH KE
LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 14601

Main International Patent Class: G06F-017/60 ;

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... SYSTEM

BACKGROUND OF THE INVENTION

The present invention relates to a neutrally branded, multi merchant **frequent shopper** program covering all forms of payment and integrated with the point of sale.

Conventional **frequent shopper** systems or programs, i.e., systems where a consumer accumulates points or cash based upon...

...s expenditures, have been problematic for a variety of reasons. A system where points are **awarded** as a function of the consumer's expenditures is problematic because the consumer does not...

...consumer merely accumulates points which have a real value set arbitrarily by the particular company **awarding** the points. Further, the options for redeeming or spending the points are often limited to...

...subject to expiration or devaluation if they are not spent by a certain date.

Some **frequent shopper** systems, including the system disclosed in U.S.

Patent No. 5,287,268, provide for...

...electronic terminal at the end of a specified period. Further, in the case of the **frequent shopper** system described in U.S. Patent No. 5,287,268, although a cash balance is...

...merchant is permitted to arbitrarily vary the accumulation percentage at the point of sale.

Other **frequent shopper** systems are limited to a single form of payment wherein points or cash are earned...

...utilized at the point of sale.

Accordingly, there is a need for a neutrally branded **frequent shopper** system that ensures the consumer an adequate rate of accumulation which may not be altered...In accordance with yet another embodiment of the present invention, a neutrally-branded, multi-merchant, **frequent shopper** system integrated with a consumer point of sale at a plurality of participating merchants and...another embodiment of the present invention, a method for implementing a neutrally-branded, multi-merchant, **frequent shopper** program integrated with the point of sale and covering all forms of payment is provided...it is an object of the present invention to provide a neutrally branded, multi-merchant **frequent shopper** system and program which is integrated with the point of sale, which covers all forms...processed or executed at the particular point of sale terminal, is preferably sent to a **manager** associated with the **point** of sale terminal.

Consumer specific survey information, either gathered from the consumer survey section 78...and a conventional "CANCEL" key for enabling the specific banking operations described above, and a "**BONUS**" key for enabling special **promotional** operations linked with specific consumers, merchants, retailers, products, purchases, or services. For example, where a predetermined type of expenditure transaction occurs and is recognized at the point of sale, the "**BONUS**" key is depressed in succession with a set of numerical keys to create a **bonus** code. The **bonus** code is transmitted to the PVBS host 102 to indicate a particular type of **bonus** transaction. The PVBS host 102 executes a predetermined **promotional** operation in response to the **bonus** code.

For example, the steps of a **bonus** transaction may be as follows: (i) consumer purchases a particular product, e.g. Hawaiian Punch(~); (ii) point of sale attendant recognizes the purchase as one of a plurality of predetermined **bonus** transactions and depresses the "**BONUS**" key followed by the numerical keys 112-3-811; (iii) the **bonus** code 112-3-811, which corresponds to any Hawaiian Punch(~) purchase, is transmitted to the PVBS host 102; and (iv) the PVBS host 102 matches the **bonus** code 112-3-811 with a predetermined **promotional** operation stored in its data storage device and executes the predetermined **promotional** operation. It will also be appreciated that a merchant terminal that is integrated with a cash register and bar code scanner provides the opportunity for automated **bonus** transactions.

The predetermined **promotional** operation executed by the PVBS host 102 may comprise any of a variety of operations...

...to the consumer's purchase value account; a transmission of a laudatory message recognizing the **bonus** transaction to the merchant terminal 116 and consumer; and any other appropriate **promotional** operation. Further, it is contemplated by the present invention that execution of the **promotional** operation may be delayed until a predetermined number of specific **bonus** transactions have been initiated by the consumer.

According to one aspect of the present invention, the **promotional** operation is not executed until the particular consumer has initiated particular **bonus** transactions exceeding a predetermined monetary value over a predetermined period of time.

Printed messages monitoring the consumer's progress towards achieving execution of the **promotional** operation may be transmitted to the merchant host 106 ...printed on the consumer's receipt.

It is contemplated by the present invention that the "**BONUS**" key may be eliminated by a fully automated process whereby the PVBS host 102 is programmed to automatically recognize a specific transaction as a **bonus** transaction. The **bonus** operation would then be executed in the manner described above. Further, a message indicating that a **bonus** transaction has occurred and summarizing the **bonus** transaction can be transmitted to the merchant host 106 and printed on the transaction receipt...

Claim

... stored in said authorized point of sale transaction terminal.

56. A neutrally-branded, multi-merchant, **frequent shopper** system integrated with a consumer point of sale at a plurality of participating merchants and...point of sale transaction terminal.

59. A method for implementing a neutrally-branded, multi-merchant, **frequent shopper** program integrated with the point ...credit value, and said balance.

60. A method for implementing a neutrally-branded, multi-merchant, **frequent shopper** program integrated with the points of sale and covering all forms of payment as claimed...

10/3,K/22 (Item 13 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00507652

GENERAL PURPOSE, PROGRAMMABLE MEDIA PROCESSOR
PROCESSEUR POUR MEDIA PROGRAMMABLE ET UNIVERSEL

Patent Applicant/Assignee:

MICROUNITY SYSTEMS ENGINEERING INC
HANSEN Craig
MOUSSOURIS John

Inventor(s):

HANSEN Craig
MOUSSOURIS John

Patent and Priority Information (Country, Number, Date):

Patent: WO 9707450 A1 19970227
Application: WO 96US13047 19960816 (PCT/WO US9613047)
Priority Application: US 95516036 19950816

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB
GE HU IL IS JP KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG
KZ MD RU TJ TM CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN ML SN TD TG

Publication Language: English

Fulltext Word Count: 107489

Main International Patent Class: G06F-007/00 ;

International Patent Class: G06F-007/38 ;

Fulltext Availability:

Detailed Description

Detailed Description

... such additional devices and interfaces must be made as widely available as this architecture specification.

Promotion of Ootional Feca-ItUres

It is most strongly recommended that such optional instructions, state or ...UGE.32 Floating-point set unordered greater or equal single F.SET.UGE.64 Floating-point se: unordered greater or equal double F.SET.UGE.128 Floating-point set unordered greater...

10/3,K/23 (Item 14 from file: 349)

DIALOG(R)File 349:PCT Fulltext
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00504791

ELECTRONIC PRODUCT INFORMATION DISPLAY SYSTEM

SYSTEME D'AFFICHAGE ELECTRONIQUE D'INFORMATIONS RELATIVES A DES PRODUITS

Patent Applicant/Assignee:

INTELLEDGE CORPORATION
FALLS S Douglas
DALE Ernest J
MATHESON Rod III
McPHILLIPS A Scott

Inventor(s):

FALLS S Douglas
DALE Ernest J
MATHESON Rod III
McPHILLIPS A Scott

Patent and Priority Information (Country, Number, Date):

Patent: WO 9705556 A1 19970213
Application: WO 96US12575 19960731 (PCT/WO US9612575)
Priority Application: US 951673 19950731

Designated States: AU CA CN JP KR MX US AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 24690

Main International Patent Class: G06F-017/60 ;

International Patent Class: G06F-015/00 ;

Fulltext Availability:

Claims

Claim

... environments in which product information is desired to be displayed.

The product information system 30 manages point of-purchase product supports such as shelves by providing two formats of information at the ...the placement of any label, insure that correct space plans are in place and that promotional programs and advertising are in place at the proper time. This audit will be used...

10/3,K/24 (Item 15 from file: 349)

DIALOG(R)File 349:PCT Fulltext
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00436209

TELECOMMUNICATIONS REWARD METHOD
PROCEDE POUR EFFECTUER DES RISTOURNES DANS LE DOMAINE DES
TELECOMMUNICATIONS

Patent Applicant/Assignee:

BURDON Douglas
SMITH Dean Bennett

Inventor(s):

BURDON Douglas
SMITH Dean Bennett

Patent and Priority Information (Country, Number, Date):

Patent: WO 9631848 A2-A3 19961010
Application: WO 96CA198 19960405 (PCT/WO CA9600198)
Priority Application: CA 2142691 19950405

Designated States: AL AM AT AU AZ BB BG BR BY CH CN CZ DE DK EE ES FI GB GE
HU IS JP KE KG KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU
SD SE SG SI SK TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ MD
RU TJ TM AT BE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM
GA GN ML MR NE TG

Publication Language: English

Fulltext Word Count: 13564

International Patent Class: G06F-017/60 ; H04M-017/00;

Fulltext Availability:

Detailed Description
Claims

Detailed Description

... point-of-sale transaction, relating the point-of-sale transaction to a member of telecommunications **awards**, determining value of reward in dependence upon the point-of sale transaction, updating a member... current holder record in the database 28 identifies the cardholder as a member of the **award** plan. Responsive to the presence of this identification a data link is established as represented...manual verification.

IW/TP generates a Member Reward Credit (RC) transactions. IW/TP will also **manage** Member and Partner **point** accumulator buckets.

The RC transactions are transmitted to HCC. The RC transactions are stored HCC...

...of business rules:

Members purchase at a Partner's store
Purchase of a specific item (**bonus** offer) Purchase of a specific offer of double or triple the BASE Accumulation of points...

...pre-defined time period Transfer from one Member Number to another Member Number (account) Discretionary **award** from Customer Service Representative IVR rewards for completing surveys **Promotional** reward of units Reward Redemption HCC is responsible for managing the Debit Process. This debit...

...as redemption is initiated when a Member consumes or uses a part of their reward **points**. IW **manages** the Member purchases to reward " **points** " conversion process. HCC **manages** the reward **point** to "currency" conversion process based on the method of redemption, i.e. Long distance, cellular in logic for **bonus** rate calculation based on Member segment status i.e. Gold, Silver, Bronze Members IVR custom...a copy of reward transactions for rewards that were not generated by purchases (eg. units **awarded** by the customer service centre or from a survey) so that the information is available...

Claim

... point-of-sale transaction;
relating the point-of-sale transaction to a member of telecommunications **awards** ; determining value of reward in dependence upon the point-of-sale

transaction; updating a member...

...a data collection system;
a customer service centre;
enrollment processes;
a transaction processing system for **managing** data from the **point** of
sale collection system and members and for calculation of rewards; a
control center for...

10/3,K/25 (Item 16 from file: 349)
DIALOG(R) File 349:PCT Fulltext

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00431955

**SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS
PROTECTION**
**SYSTEMES ET PROCEDES DE GESTION SECURISEE DE TRANSACTIONS ET DE PROTECTION
ELECTRONIQUE DES DROITS**

Patent Applicant/Assignee:
ELECTRONIC PUBLISHING RESOURCES INC

Inventor(s):

GINTER Karl L
SHEAR Victor H
SPAHN Francis J
VAN WIE David M

Patent and Priority Information (Country, Number, Date):

Patent: WO 9627155 A2-A3 19960906
Application: WO 96US2303 19960213 (PCT/WO US9602303)
Priority Application: US 95388107 19950213

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GE HU IS JP KE KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO
RU SD SE SG SI TM TR TT UA UG UZ VN KE LS MW SD SZ UG AZ BY KG KZ RU TJ
TM AT BE CH DE FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML
MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 205184

Main International Patent Class: G06F-001/00 ;

International Patent Class: G06F-017/60 ;

Fulltext Availability:

Detailed Description
Claims

Detailed Description

... of shrink-wrapped software are required to purchase a program at the same price as **frequent users**, even though they may receive much less value from their less frequent use. Traditional...Management Unit 540 Memory Management Unit (MMU) 540, if present, provides hardware support for memory **management** and virtual memory **management** functions. It may also provide heightened security by enforcing hardware compartmentalization of the secure execution...for the rest of ROS 602.

Event processing, as will be discussed later, is primarily **managed** (from the **point** of view of processes outside SPE 503) by this service. The Authentication Manager/Secure Communications...or search information related to objects (such as summaries of content, abstracts, reviewers' commentary, schedules, **promotional** materials, etc.), for example, by using INFORMATION methods associated with VDE objects 300.

Object Submittal...

Claim

... to be included in an object.

B. Specify content oriented methods including:

Information--typically abstract, **promotional**, identifying, scheduling, and/or other information related to the content and/or author Content--e
...complementary tools to their provided objects. A provider of movies may allow commentary and/or **promotional** materials to be added to their materials. A provider of CAD/CAM specifications to machine...indicate whether or not author 3306A generally includes other information with content submissions (such as **promotional** materials, detailed information regarding the format of submitted content, any equipment requirements that should or...indexed for searches by users of the repository, the manner in which content titles, abstracts, **promotional** 823 materials, relevant dates, names of performers and/or authors, or other information related to...information delivered to different classes of users. In addition, author 3306A may wish to deliver **promotional** materials in the same container as submitted content depending on, for example, the character of...
...and/or the end 832 user that are used to help determine the mix of **promotional** materials delivered to a certain VDE content end user.) In another example, author 3306A may...the delivery (e.g. the first delivery from a particular author, a subscription, a marketing **promotion**, presence and/or absence of certain advertising materials, requests formulated on behalf of the user...

10/3,K/26 (Item 17 from file: 349)

DIALOG(R)File 349:PCT Fulltext
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00325269

DATA PROCESSING TECHNIQUE FOR SCORING BANK CUSTOMER RELATIONSHIPS AND
AWARDING INCENTIVE REWARDS
TECHNIQUE DE TRAITEMENT DES DONNEES PERMETTANT DE TENIR UN ETAT DES
RAPPORTS QU'ENTRETIEN UN CLIENT AVEC SA BANQUE ET DE LUI ACCORDER DES
AVANTAGES INCITATIFS

Patent Applicant/Assignee:
THE HARRISON COMPANY INC

Inventor(s):

SHURLING Larry W
NIMIS Gregory R
REAGLE Granville S
MOTSCHENBACHER Darlene M
HANSEN Wayne P

Patent and Priority Information (Country, Number, Date):

Patent: WO 9312489 A1 19930624
Application: WO 92US10868 19921215 (PCT/WO US9210868)
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PT SE

Publication Language: English

Fulltext Word Count: 12960

DATA PROCESSING TECHNIQUE FOR SCORING BANK CUSTOMER RELATIONSHIPS AND
AWARDING INCENTIVE REWARDS

Main International Patent Class: G06F-015/20 ;

Fulltext Availability:

Detailed Description
Claims

English Abstract

A Relationship scoring and Incentive Reward **awarding** process (20) determines a Relationship score (36) for the Relationships between a Bank and each...

...30). Incentive Rewards (38), such as reduced loan rates or increased deposit account interest, are **awarded** to customers (24) based on the Relationship scores (36). Management reports (44) summarize the Relationships...

Detailed Description

DATA PROCZS71NG TECHNIQUE FOR
SCORING BANK C'STOMER RELATIONSHIPS
AND **AWARDING** INCENTIVE REWARDS

This invention pertains to data processing techniques useful in Banks. More particularly this...

...number of different Relationships that a customer has with the Bank, scoring the Relationships and **awarding** Incentive Rewards based on the Relationship score. As used herein the term "Bank" is intended...

...customer patronage are airline frequent flyer programs. In airline frequent flyer programs the customer is **awarded** points, often expressed in terms of "miles traveled" for each use of a particular airline or its affiliates. Additional points or "miles" are **awarded** for use of ancillary services such car and hotel room rentals. Other examples of customer...based on the information manually entered on the score card, and Incentive Rewards are manually **awarded** on a periodic basis for the number of Relationships maintained by the customer at the Bank. The point **awards** may be increased in relation to the length of time the customer maintains the Relationships...

...they find to be most profitable.

Further, each Bank may wish to establish a different **award** structure of incentives, depending upon that Bank's perception of the benefits of the program...

...of Invention

A significant aspect of this invention is a Relationship scoring and Incentive Reward **awarding** process useful with-a Bank customer incentive program to reduce the labor required by a...

...In accordance with this aspect of the invention the Relationship SUBSTITUTE SHEET scoring and Reward **awarding** process assembles data representing the Relationship between the Bank and its customers and automatically determines invention Incentive Rewards are **awarded** to each customer based on the automatically determined Relationship score. Further in accordance with this aspect of the invention the Relationship score to be **awarded** for the type and duration of each Relationship may be established or changed to meet...

...the Bank.

Another significant aspect of this invention is a Relationship scoring and Incentive Reward **awarding** process that automatically obtains information about customers' Relationships with the Bank directly from the Bank...

...information file. The extracted information is automatically used by the Relationship scoring and Incentive Reward **awarding** SUBSTITUTE SHEET process in determining the Relationship score of each customer.

Still another significant aspect of this invention is a Relationship

scoring and Incentive Reward **awarding** process that automatically determines a customer's entitlement to the Incentive Rewards. In accordance with...

...relationship or percentage is automatically determined from the Relationship score and the Incentive Rewards are **awarded** accordingly.

Also in accordance with this aspect of the invention the Incentive Rewards may be automatically **awarded** to the customer by adjusting information in the customer information file. Examples of information that may be adjusted to **award** Incentive Rewards are loan and deposit account interest rates and bank service fees. Further in...
...Bank.

A further significant aspect of this invention is a Relationship scoring and Incentive Reward **awarding** process that prepares written reports to convey marketing information to the Bank's management. In...

...human and mechanical interaction and execution, involved a process for scoring Bank customer Relationships and **awarding** Incentive Rewards using a computer, in accordance with the present invention.

Fig. 2 is a...Detailed Description

The general nature of a process 20 for scoring Bank customer Relationships and **awarding** Incentive Rewards according to the present invention, hereinafter referred to as a Relationship scoring and Incentive Reward **awarding** process, is illustrated in Fig. 1. The Relationship scoring and Incentive Reward **awarding** process 20 is defined and executed by software programming instructions operating a conventional digital computer...

...the Bank. The sources of information used to execute the Relationship scoring and Incentive Reward **awarding** process 20 are Bank customers 24, which communicate with the process 20 through the members...
...program (not shown) that is external to the Relationship scoring and Incentive SUBSTITUTE SHEET Reward **awarding** process 20, and which operates on the Bank's computer 22. The CIF 30 contains...to as parameters 34. The parameters 34 control the Relationship scoring and is Incentive Reward **awarding** process 20. Parameters include such matters as point values to be **awarded** to each Relationship, the types of Relationships which are to be counted in the process...

...Relationship score of the customer, the relationship between the Relationship score and the Incentive Rewards **awarded**, and the extent or degree and type of certain types of the Incentive Rewards such...tape memoriesV operating instructions and data files which execute the Relationship scoring and Incentive Reward **awarding** process 20 (Fig. 1) also reside in the off SU BST ff U-f E...

...data from the off line memory 52 to perform the Relationship scoring and Incentive Reward **awarding** process 20 (Fig. 1).

A random access memory (RAM) 54 stores data and operating instructions...

...the processor 50 while the computer 22 is performing the Relationship scoring and Incentive Reward **awarding** process 20 (Fig. 1). A printer 56 receives information from the processor 50 and prepares ...individual connections or by a local area network 72. The Relationship scoring and Incentive Reward **awarding** process 20 (Fig. 1) is performed primarily by the file server computer 66 and the...

...line memory 80 in which the operating instructions for the Relationship

scoring and Incentive Reward **awarding** process 20 (Fig. 1) and the data pertinent to the parameters 34 (Fig. 1) typically...

...the file server computer 66 controls the execution of the Relationship scoring and Incentive Reward **awarding** process 20 (Fig. 1) by transferring the operating instructions and data from the off-line...

...of the computational processes and data of the Relationship scoring and Incentive SUBSTITUTE SHEET Reward **awarding** process 20 (Fig. 1) are downloaded for execution. The operating instructions and data from the... by the processor 92. Significant aspects or all of the Relationship scoring and Incentive Reward **awarding** process 20 (Fig. 1) can then executed by the work station 70. Data and commands...

...64 through the data link 68.

The functionality of the Relationship scoring and Incentive Reward **awarding** process 20 is generally illustrated by the state transition diagram shown in Fig. 4. The...

...20. The SPF 104 further define the manner in which the Relationship scores and the **award** of Incentive Rewards 38 are determined from the customer data 32.

The files of the to which a customer is entitled to be **awarded** an Incentive Reward. The report format file contains the information required to organize the customer...

...of the SPF 104 is retrieved and used to determine the customer's vesting or **award** of Incentive Rewards 38 based on the customer's ...query 40, which initiate the execution of the manual updating state 106.

An automatic reward **awarding** state 114 may be entered from the manual updating state 106 or the automatic updating state 110. The procedures in the reward **awarding** state 114 extract the Relationship score 36 and the scoring or vesting information from the...adjusted to decrease account SUBSTITUTE SHEET service fees or increase account interest, based on the **award** of an Incentive Reward of this type applicable to the customer's Relationships.

To generate...

...not all customers of the bank are enrolled in the Relationship scoring and Incentive Reward **awarding** process, and the management of the Bank wishes to compare information about enrolled customers and...of decimal places allowed for numerical fields, with "0" denoting integer values. The number of **points** which the Bank **management** has determined shall be credited for each type of Relationship is defined by the numerical...

...information about three hypothetical customers enrolled to participate in the Relationship scoring and Incentive Reward **awarding** process 20. In actuality a typical customer database file may contain data about many ...the relationship between the Relationship score and the degree or vesting of the Incentive Reward **awarded**, is illustrated in Table C below.

Table C

Above Percent:
10 15
25 30...

...the "Above" column that is exceeded by the customer's Relationship

score. The customer is **awarded** that percentage of the Incentive Reward indicated- ...a deposit account or a percentage point decrease in a loan rate may be partially **awarded** . of course, other types of Incentive Rewards may not admit to being divided, and in...

...state 106 and the parameter establishing state 102 of the Relationship scoring and Incentive Reward **awarding** process 20 shown in Fig. 4 are generally illustrated by the procedures chart illustrated in...

...environment in the computer 22 (Fig. 1) in which the Relationship scoring and Incentive Reward **awarding** process 20 (Fig. 4) operates. The parameter establishing state 102 involves the execution of a...the SPF 104 (Fig. 4). The customer's vesting in the Incentive Rewards to be **awarded** is determined 194 based on the Relationship score by reference to the scale file 196...

...UTE SHEET Incentive Reward may be automatically credited to the customer by entering the Reward **awarding** state 114 and making appropriate adjustments to information in the CIF 30.

The operator specifies...may not be considered in calculating the customer's points, at the option and decision of **management** .

-The **points** determined for the field is then added 256 to create a running total of the...Further, the Incentive Reward may be automatically credited to the customer by entering the Reward **awarding** state 114 and making appropriate adjustments to information in the CIF 30.

SUBSTITUTE SHEET

of course, printing 298 the reports and the automatic **awarding** of rewards 114 may take place on a'batch basis, with the information being accumulated...the last customer record had been processed.

SUBSTITUTE SHEET

The Relationship scoring and Incentive Reward **awarding** process 20 (Fig. 1) advantageously implements a technique for scoring Relationships that a customer has with a Bank and **awarding** Incentive Rewards to the customer based on specified parameters selected by the Bank management related...

...manual system and-data transfer errors are substantially eliminated.

The Relationship scoring and Incentive Reward **awarding** process of the present invention automatically determines and tracks the Relationship score and vesting of...

...changes in the CIF of the Bank operations computer.

The Relationship scoring and Incentive Reward **awarding** process can be customized to the needs of individual Banks. This customization allows the Bank...

...and marketing tool, providing incentives to*customers for "loyalty." The Relationship scoring and Incentive Reward **awarding** process is customized by modifying the SPF 104 (Fig. 4) to establish that information in...

Claim

... following CLAIMS
SUBSTITUTE SHEET

THE INVENTION CLAIMED IS:

1. A Relationship scoring and Incentive

Reward **awarding** process wherein at least one enrolled customer is entitled to receive at least one Incentive...

...the enrolled customer automatically from the information stored in the customer database file record; and **awarding** the Incentive Rewards to the enrolled customer based on the Relationship score.

2. A process...the fourth attribute.

15. A process as defined in claim 1 wherein the step of **awarding** Incentive Rewards.further comprises:

establishing a predetermined vesting relationship to determine the customer's entitlement to an **award** of, the Incentive Rewards; and using ...maintained in a customer information file in a Bank computer, and wherein the step of **awarding** the Incentive Rewards to the enrolled customer based on the Relationship score further comprises:

adjusting...

...information file in accordance with the vesting percentage.

18. A Relationship scoring and Incentive Reward **awarding** process as defined in claim 1 further comprising:

producing management reports describing the Relationships between...

...21. A process for scoring pach Relationship that a customer has with a Bank and **awarding** an Incentive Reward to the customer based on a Relationship score using a computer having...

...SUBSTITUTE SHEET values correlated with each Relationship that the customer has with the Bank; and **awarding** an Incentive Reward to the customer based A the relationship of the Relationship score to...

...represents the predetermined vesting relationship between the Relationship score and the Incentive Reward to be **awarded** ; and computing with the computer the Incentive Reward to be **awarded** by comparing the Relationship score to the stored ...defining W predetermined vesting relationship between the Relationship score and the Incentive Reward to be **awarded** , the data in the scoring file defining ranges of Relationship poNts and a corresponding amount of an Incentive Reward to be **awarded** ; and comparing the Relationship score with the ranges of Relationship points in the scoring file to identify the Incentive **Award** to be **awarded** .

24. A process as*defined in claim 21, further comprising:

creating a customer information file...

...24, further comprising:

storing data in the customer information file which specifies the Incentive Reward **awarded** .

29. A process as defined in claim 24, wherein one of the attributes of the...

?

?t10/4/

10/4/1 (Item 1 from file: 347)
FN- DIALOG(R) File 347:JAPIO|
CZ- (c) 2000 JPO & JAPIO. All rts. reserv.|
TI- PURCHASING TIME **POINT** INFORMATION **MANAGING** METHOD
PN- 62-205465 -JP 62205465 A-
PD- September 10, 1987 (19870910)
AU- SUZUKI KOUKICHI
PA- SUMITSUKU KK [000000] (A Japanese Company or Corporation), JP (Japan)
AN- 61-049459 -JP 8649459-
AD- March 06, 1986 (19860306)
IC- -4- G06F-015/21 ; G07G-001/14
CL- 45.4 (INFORMATION PROCESSING -- Computer Applications); 29.4
(PRECISION INSTRUMENTS -- Business Machines)
KW- R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)
SO- Section: P, Section No. 671, Vol. 12, No. 66, Pg. 11, February 27, 1988
(19880227)
AB- PURPOSE: To contribute to sales **promotion** and the securing of a fixed
customer by transmitting data among plural terminal information
devices, a relaying computer and a main computer and **managing** the
purchasing time **point** information at every customer.

CONSTITUTION: When a customer purchases the goods, first, a reader 10
is scanned on the bar code 2 of a customer card 1 and a customer code
number is read. Continuously, the number of the chip of the
prescribed ratio corresponding to a goods purchasing amount is
inputted by a keyboard 21, stored into a memory 25 together with a
customer code number and transferred to a relaying computer 30. At
the computer 30, a customer code number and the number of the chip
corresponding to a terminal code number are stored into a memory 35,
these data are successively stored into an external memory device 37
and a daily data base is prepared. When the data are transferred from
the computer 30, in a main computer 50, the external memory device 57
receives the transfer data automatically, stores them as a monthly
data file and the summed-up and analyzed data are printed and
outputted from a printing device 58

?